

DECIMAL CLASSIFICATION

Devised by

MELVILLE DEWEY

STANDARD (15TH) EDITION



FOREST PRESS INC

LAKE PLACID CLUB

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Foreword to Standard Edition

ALMOST nine years ago, in the Foreword to the 14th Edition, we expressed our expectation that "at some future date a so-called Library Standard Edition of the Decimal Classification" would be published. Now we are happy to put that long awaited volume into the hands of the library profession, and of the many other individuals who have so long found "Dewey" useful. Since in all probability there will never be a "last" edition of the DC, we earnestly request all users to give us the benefit of their criticism in order that sometime our successors may actually bring out "the perfect book."

Note was made in the 14th Edition of the committee which was created in 1917 for the purpose of making this work more responsive to the needs of librarians and other classifiers. Only three members of the original committee remain: Arthur E. Bestor died in 1944; Miss Ruth D. McCollough and Dr. Harriet D. MacPherson found it necessary to devote themselves to other duties. We are grateful to them for services rendered. The committee as it now stands is listed below:

GODFREY DEWEY

WILLIAM DODGE LEWIS

T. HARVEY FERRIS

MRS. ELIZABETH SFYMOUR RADTKE

EVELYN MILDRED HENSEL

FREMONT RIDER

MILTON JAMES FERGUSON, *Chairman*

DEO. B. COLBURN, *Secretary*

As is more or less inevitable in an organization which has no endowment upon which it may depend, after the 1922 book was issued the editorial staff found other interests; and the wheels practically ceased to turn. Something like \$58,000 had been expended in revising and publishing the 14th Edition, and that money, for lack of a better term, was profit from the sale of the preceding edition. Under the

terms of Melvil Dewey's provision for the continuance of the DC, any profit derived from the sale of the book was to be put into revision of new editions and the promotion of the use of the system throughout the world. No dividends have ever been paid to any person or institution. Despite the fact that the above mentioned rather considerable sum had been spent on the 14th Edition, in March 1942 when the new book was published the treasury still showed a balance of \$31,000. It seemed appropriate to begin to make plans for a "Dewey" which should be completely revised to meet our understanding of the library profession's desires. (Just as matter of record, perhaps, it may not be inappropriate to note that the cost of the Standard Edition ran to more than \$100,000.)

In December 1944, Mrs. Esther P. Potter was employed as Director of a new staff which was given the difficult undertaking of modernizing the DC. During the more than five years the staff was thus engaged it has changed surprisingly little. The following professional workers were on Mrs. Potter's staff at the conclusion of the revision: Misses Sarah C. France and Helen L. Purdum, and Mrs. Eleanor Hungerford.

On March 1, 1949, I retired as a professional librarian and assumed the post of Editor, in addition to the chairmanship of the committee.

The Director in the course of her services has conferred with many librarians and members of other professions, she has attended many conferences, and has distributed many questionnaires—most of which came back. An attempt has been made in the brochure heretofore distributed to pay tribute to all those persons and societies so helpful in the production of the Standard Edition. It was truly a cooperative task; and if it fairly well achieves the degree of usefulness so earnestly desired, great credit will be due our colleagues and friends who because of their number must here remain unnamed.

Special mention, as a class, must be made of the American Library Association Committees whose members have interpreted for us the needs of varying kinds and sizes of libraries. Members of the Division of Cataloging and Classification Regional groups, in their criticisms

of earlier editions, furnished a realistic basis for our revisions. The Advisory Sub-committee for Dewey Classification, in its detailed criticisms of revision, has given us opportunity to correct errors of judgment.

That the subject matter contained in some of the new expansions and also in the more drastic revisions is correct and in perspective is due in large degree to the Special Libraries Association.

Our gratitude to the Librarian of Congress cannot be too strongly expressed. He has assigned us space which he himself could have used for other purposes; and his staff has unfailingly aided us in our work. Our location in the Library of Congress has enabled us to use its vast resources in books and print and to estimate approximately the volume of literature falling into any class; for it is obvious that a number without a book is wasted effort. The government offices in Washington, too, have been responsive to our call for assistance.

No attempt is herein made to praise Melvil Dewey, or to fix his place in the intellectual world. This book is his monument; he needs no further title or acclaim.

MILTON JAMES FERGUSON
CHAIRMAN AND EDITOR

Introduction

HISTORY

THE CONFUSION of the contents of the Amherst College Library in 1872 must have presented to Melvil Dewey, Student Library Assistant, the same challenge as that of his mother's pantry when, at the age of five, he rearranged it systematically. Always an enthusiastic reformer, and urged on by his hatred of waste of time, it probably did not seem to him unusual that at 20 he should try to bring order out of chaos, a situation which evidently had been of little concern to his predecessors. Ultimately, in solving the problem at Amherst, he achieved some degree of order for a vast number of libraries the world over.

After study of the classifications of knowledge as conceived by Aristotle, Bacon, Locke, and other philosophers, and the recently published library classifications of Schwartz and Harris, Dewey decided to use a scheme of arranging books by subject based upon Harris' inversion of the Baconian order of History, Poesy, and Philosophy. This decision to use a subject arrangement was a radical departure from the almost universal practice of arranging books alphabetically or by size, color, or accession.

The problem of devising a simple scheme of notation was possibly more difficult than deciding upon the plan of arrangement. None of the philosophic classifications used such a device. The Schwartz scheme was complicated by the addition of symbols for size, and the Harris notation provided only for classes, not single books. Dewey's visits to libraries in New York and New England revealed only how much need there was for an efficient system. The three existing schemes for decimal arrangement of books, du Maine's in 1583, the Glasgow, circa 1790, and the Shurtleff in 1856, evidently did not impress Dewey. All three were based upon numbering shelves rather than books. In a moment of inspiration, born of intensive study and

thought, came the solution which now seems so simple, the application of Arabic numerals used decimally as notation for books arranged by subject.

The Amherst Library Committee must have been somewhat startled to receive from a student assistant three papers proposing, not only a revolutionary classification scheme for the library, but also a carefully considered account of its merits and how it was especially adapted to the needs of the Amherst Library. They approved the proposal, and with the advice and help of others, the following three years were devoted to improving and extending the original plan and in reorganizing and classifying the library.

In 1876 "A Classification and Subject Index for Cataloguing and Arranging the Books and Pamphlets of a Library," an improved and amplified version of the original plan, was published anonymously. In the years that followed, Dewey was instrumental in establishing a number of library organizations which, in turn, contributed to the success of the new classification. Almost simultaneously with the publication of the classification, the American Library Association and an organization later to be known as the Library Bureau were founded. The "Library Journal" issued its first number in the same year. Eleven years later, the first library school was opened at Columbia. Thus, for the first time, the library profession was given a multiplicity of outlets for the expression and propagation of its increasingly liberal concept of the function of libraries and the resultant necessity for efficient library operation.

In its radical departure from the old order, the Decimal Classification was wonderfully fitted to the progressive spirit of this period of transition. It never lacked adherents, and they never lacked channels for spreading their enthusiasm. How widespread its use and popularity in the United States had become is well illustrated by the creation in 1930, because of popular demand, of a section in the Library of Congress for the purpose of assigning Decimal Classification numbers to books which libraries using the scheme might be expected to purchase. The most recent estimate of its use in the United States is taken from

statistics compiled for the American Library Directory, published in 1945. At that time 96 per cent of the public libraries, 89 per cent of the college and university libraries, and 64 per cent of the special libraries reporting used the system.

Use of the classification has spread outside the United States to Latin America, Europe, Asia, Africa, and Australia. In part, it has been translated into Chinese, Japanese, French, German, Italian, Spanish, Portuguese, Norwegian, Russian, Hungarian, and Bohemian.

Some impetus to this general acceptance was given by the Institut International de Bibliographie in 1895, when it decided to use the DC as the basis for a bibliographic classification for its international subject index. In 1905 the Institut published the "Classification Decimale," using the basic plan of the DC expanded considerably and employing supplementary use of symbols to designate subject relationships. In 1927-'29 a revision was published under a slightly different title, "Classification Decimale Universelle." Both of these are referred to interchangeably as the CD, the UDC, and the Brussels. They have been translated in abridged form from the French into Dutch, Swedish, German, and English. Differences have appeared between the DC and the CD, due principally to the more complex demands of a bibliographic classification, but the basis is still fundamentally that of Dewey.

THE DECIMAL CLASSIFICATION

The plan of the classification has remained the same in all fourteen revisions. The Tables of classification provide an infinitely divisible scheme of organization based upon a relative grouping of like subjects numbered decimally. The Index is an alphabetical listing of subjects with reference to the class number under which they may be found in the Tables.

THE TABLES

Subject matter is divided into nine main classes numbered by digits 1 to 9. Material too general to belong to any one of these classes is

numbered 0 and forms a tenth class which, however, is placed first. The classes are written in three figures; thus class 000 is General works; class 100 is Philosophy; 200, Religion; 300, Social sciences; 400, Linguistics; 500, Pure science; 600, Applied science; 700, Arts and Recreation, 800, Literature; and 900, History.

Each of these main classes is divided into nine divisions numbered 1 to 9, while a tenth for general material, belonging to no one of the divisions, is provided by retaining the two ciphers. Thus 720 is the number for Architecture, one of the divisions of Fine arts, which is 700.

Further subdivision may be made by amplifying each of the ten divisions in the same manner. Thus 722 is the number for Ancient architecture, which is a section of Architecture (720), in itself a division of Fine arts (700), one of the main classes. Such decimal subdivision may be repeated until there are as many subsections as are needed. An example of this principle carried to an extreme may be found in the 14th Edition, which uses 621.38+115523 as the number for material on Meteorological influences on radio transmission in the tropics. Numbers of such length will not be found in the Standard Edition, which aims to provide a system of classifying books, not a detailed outline of knowledge.

Fremont Rider, in his "Melvil Dewey," has noted some of the difficulties of maintaining the practical qualities of the system. "Numbers," he says, "are fascinating things; and there have been, over the years, many would-be experts in classification who have not realized that, because a certain amount of classification is a good thing, an indefinitely larger amount of it is not necessarily better. It should have been obvious that the more detailed a classification is made, the more quickly it tends to become obsolete; that the more complex it is made, the more its original easily grasped simplicity becomes lost."

The basic plan of the Decimal Classification is a division by subject and an orderly progression from the general to the specific. Three of the main classes, however, show variations from the plan of subject subdivision. Class 400, Language, and Class 800, Literature, are di-

vided linguistically; e.g. 450 is Italian language; 850 is Italian literature. The primary division of 900, History, is a topographical one, first by continent, then by countries, e.g. 945, Italian history, the figure 4 meaning Europe, and 5 meaning Italy. The repeated meaning of the figure 5 in 450, 850, and 945 indicates that the number for Italy is always 5.

Two provisions have been made for arrangement where consideration of the form or style in which the book is written, as well as the subject, is important, e.g. for dictionaries, poetry. A method of subdividing has been provided which is applicable to any class, division, section, or subsection in which there is sufficient material to make such division desirable, e.g. History of Italian drama 852.09. These are as follows:

- | | |
|--------------------------------|-------------------------------|
| 01 Philosophy, theory | 06 Societies, transactions |
| 02 Compends, outlines | 07 Study, teaching, education |
| 03 Dictionaries, encyclopedias | 08 Collections |
| 04 Essays, lectures | 09 History |
| 05 Periodicals | |

If the number to which these form divisions are to be added ends in 0, one zero should be dropped before the form number is added, e.g. a zoological magazine is 590.5, not 590.05. If the number resulting from the addition of the form division has been assigned another meaning in the Tables, an extra 0 is added, e.g. a periodical on English history is 942.005, not 942.05, which the Tables give as the number for England in the time of the Tudors.

The second provision for arrangement by style of writing is a series of numbers which may be applied to any piece of literary material. These are as follows:

- | | |
|-----------|--------------------|
| 1 Poetry | 5 Oratory |
| 2 Drama | 6 Letters |
| 3 Fiction | 7 Satire and humor |
| 4 Essays | 8 Miscellany • • |

851 'is Italian poetry, the figure 8 meaning Literature, 5 meaning Italy, and 1 meaning poetry. This example illustrates, not only the use of the form division, but also the linguistic division for literature.

While the linguistic and topographic form divisions are helpful in quick classifying because of their mnemonic features, they are aids and not regular methods. While Italy or Italian is always 5, the number 5 is not always Italy or Italian, as it is also used for periodicals, oratory, or any other subject the practical development of the tables demands. The mnemonic devices occur in several hundred places in the classification and allow for close classification with a minimum expenditure of time and effort.

THE INDEX

Each item in the Index is followed by a number which refers the user to the location of that subject in the Tables. The terminology of the Index is in terms both of current popular usage and of the subject specialist. Synonymous wording is used wherever it seems practicable.

The Tables are followed by an alphabetically arranged Index in which reference by class number is made to the exact location of a subject in the Tables. As subjects are seldom thought of in exactly identical terminology, the entries are in terms of current usage or those which belong to the terminology of the subject. It is not safe to assume that the Index, which is planned only as a key to the Tables, furnishes the final answer to any classification problem. The Tables must be consulted after the clue has been supplied by the Index.

SUGGESTIONS TO THE USER

HOW TO USE THE TABLES AND INDEX

It is wise to learn the ten main classes. Knowledge of the hundred divisions and numerous sections and subsections should follow grad-

ually from use, without the necessity of special study, and will result more quickly if the Tables are used rather than the Index. Locating the subject of a book within the scope of its main class brings familiarity with the class as a whole. When the Tables are used in this way, the Index should be checked to verify the result obtained.

HOW TO DETERMINE THE SUBJECT OF A BOOK

There are several methods of deciding upon the subject of a book. These may be used in varying combinations where the subject is obscure.

Title—The title often indicates what the book is about. However, it is sometimes misleading; in consequence, some further method should be used as a check.

Table of contents—This is usually an excellent guide to the subject of a book.

Chapter headings—If there is no table of contents, chapter headings or marginal notes are likely to give a good indication of the contents.

Preface—It is always wise to scan the preface for the author's point of view, even if it merely verifies your decision already based upon some other aid.

Reference books—Information regarding the subject of the book may be obtained from bibliographies, catalogs, biographical dictionaries, histories of literature, encyclopedias, reviews.

Subject matter—An exhaustive examination of the subject matter of the book itself will probably solve the problem.

Specialists—Experts should be consulted when all other methods fail, and sometimes for verification of a tentative decision.

HOW TO ASSIGN THE CLASS NUMBER

When the subject of the book has been decided upon, its number may be found in the Tables either by using them directly or by means

of the Index. Even if one is quite familiar with the classification, decisions based upon direct use of the Tables should be checked with the Index. It shows relationship and subordination, and often presents a choice of points of view. This method makes possible a much more accurate classification of the book than when only one portion of the Tables is used.

The basic principle involved in the assignment of the class number is that of usefulness. As libraries differ and the people using them are never alike, the decision as to where a book will be of the greatest value must be the responsibility of the individual classifier. The majority of books present no very complicated problem. There can be only a remote possibility that an elementary physics book could be more useful in some other class than Physics. But, would a bibliography of physics be of more use in the Bibliography section or with the Physics books? The decision must be based upon an accurate knowledge of the aims of the individual library, and that can be gained only by the classifier's own experience, not by rules set down here.

The contents of the book, not its form or wording of the title, should usually determine its number. The content of a History of art is primarily Art, not History, and such a book would be most useful in the Art section.

Each library should formulate a general policy concerning the length of numbers it will use, based not only upon the present size and type of its collection, but also upon an estimate of what its collection will be in the future. This policy should, however, be flexible so that the most useful numbers may be utilized even if they violate the policy. There has been much controversy about broad versus close classification, but the present trend in libraries is to limit the number wherever it is feasible to five or six digits. The class number chosen should be the most specific, which will contain the subject of the book and yet remain reasonably within the library's length-of-number policy. A library with a five-digit policy would probably choose as "the most specific number" 671.52 for a book on Electric arc welding. A larger

or more specialized library with a six-digit policy might use 671.524 or even 671.5211 as "the most specific number." In either case, the main heading, 671 Metal Manufactures, or 671.5 Joining and Cutting, is not sufficiently specific.

When a book treats of two or three subjects, assign it to the class in which it will be most valuable. The other subject or subjects may be taken care of in the catalog by means of added entry cards. If a decision regarding this type of book cannot be based on the principle of use, assign the class number to the first subject treated in the book.

When a book treats about equally four or more sections of a division, give it the division number, e.g. a book discussing light, heat, sound, mechanics would be given the division number of 530.

Unless the library's policy prevents, separate and classify as separate items: libraries, special collections, sets.

Translations, reviews, keys, analyses, and other works about specific books should be assigned the class number of the original book.

The classifier may save much time by consulting the number which may already have been assigned to the book. DC numbers may be found on Library of Congress cards, Wilson cards, in A. L. A. Book List, Book Review Digest, Standard Catalog series, Children's Catalog.

A record of all difficulties and decisions should be made for the sake of uniformity and future efficiency. These notes should be written in the Tables, in an interleaved copy, or arranged by class number in a file.

BOOK NUMBERS

In many libraries the call number, by which the book is arranged on the shelves and called for, includes a book number in addition to the class number. While the class number distinguishes books on one subject from those on another, the book number distinguishes each book from all others in the same class.

Probably the most widely used system of book numbers is the Cutter Sanborn. In these tables the author's name is represented by

its initial with the remaining letters translated into numbers, e.g. Freeman, F 85. Books on the same subject are arranged alphabetically under the class usually by author heading or, as in the case of Biography, alphabetically by the subject of the biography. Other book number schemes were included in the 11, 12, 13 Editions of the Decimal Classification. One was a table of numbers for certain well-known authors, and the other, a translation system of dates so that books in the sciences, where date of publication is of importance, may be arranged chronologically by date of first publication.

The Borden book number scheme is also widely used.

VARIATIONS FROM THE PUBLISHED TABLES

The Tables, as they are developed in this edition, represent the Editorial Office's concept of what a medium-size general library might need to classify its collection. Obviously, it will be too minutely subdivided for many small and some medium-size libraries, and some very large or highly specialized libraries may not find it sufficiently minute.

It remains, then, for each library to consider carefully whether the printed Tables may be used successfully to classify its collection. This decision will be easier if the fundamental purpose of book classification is constantly kept in mind. Book classification is essentially functional, a medium of location, not a philosophical system. It may also be helpful to remember that specialists seldom agree regarding the organization of their subject. A decision regarding the necessity of expansion should result in a request to the Editorial Office for an official expansion. If one is not immediately available, the broad classification should be made to serve until the official expansion is ready. A good expansion takes a great amount of time and expense for study, research, interviewing, and correspondence, and necessitates a broad and dispassionate over-all approach. Such a project is generally of too great magnitude for the majority of librarians with their multiplicity of other duties. If, after considering these points, the Tables seem

unsatisfactory, and the temptation to make changes or expansions is great, remember that once the change is made, whether good or bad, the library, because of the expense of reclassifying, will be saddled with it indefinitely, unable to make use of official expansions and improvements in successive editions.

There are ways of simplifying the Tables, which the Editorial Office not only suggests but recommends, as sensible time-saving devices especially for small libraries. Certain of these, such as the combining of subjects, the substitution of B for the class number for Biography, the use of book numbers or letters instead of long numerical divisions, and the omission of a class number in the case of Fiction, may be found at the beginning of specific subjects.

Two other recommended modifications follow: Children's books may be distinguished from the adult collection by the use of J for fiction and J plus the class number for nonfiction, e.g. J 942 Child's history of England.

In order that reference books may be easily distinguished from those which circulate, R usually precedes the call number or stands above it.

USES

It is quite feasible by using only the main classes, divisions, and sections, to classify very adequately small collections, whether in private, or in public, school, or college libraries. It is also equally possible for large or special libraries to use the Tables. Acceptance by these libraries, many of which have felt the necessity of finely developed classification schemes, involves the concept of classification as a means of grouping material in as close relationship as is efficient, leaving to a catalog the function of minute description of the book and analysis of its contents. The Editorial Office feels very strongly that in a rapidly changing world such as ours it is unwise to do more than group broadly, particularly in the Social, Pure, and Applied sciences. It is comparatively simple to correct a subject heading on a catalog card when further investigation proves that the Hottentot and

Bushman's languages belong to the same rather than two separate families, or when changing emphasis, such as Electronics as an inclusive term for communication, throws out all the subdivisions under the old concept of Radio. To change the numbers on all of the books or documents, with all of their attendant book and catalog cards, is not a simple matter.

With the passing years a much wider use of the classification has come about than was originally conceived. Book stores and book exhibitors have found it a convenient and profitable way of arranging their stock. Business and industrial concerns and government offices have found in it a good solution to the problem posed by correspondence files which have become too large and unwieldy for straight alphabetic arrangement. In fact, any file, whether it is composed of pamphlets, documents, monographs, clippings, photographs, slides, or films, may well be organized by the Decimal Classification.

THE STANDARD EDITION

In point of chronological sequence, this edition is the fifteenth. To name it the fifteenth, however, would imply that it is but another in the long succession of revisions which only partially satisfied the demands created by constantly increasing knowledge. More truly descriptive is the name Standard Library Edition.

In 1945 the pattern of the new revision was furnished by instructors in library schools and by librarians in a variety of libraries in North and South America and Great Britain. In accordance with their advice, the new edition is a complete revision, each schedule having been studied and rewritten in the light of new information, changing concepts and terminology, and Simplified spelling has been abandoned, except for the twelve words adopted by the N. E. A.

The revision is designed to meet the needs of the greatest number of libraries. As the "greatest number" ranges from small to moderately large general libraries, the tables are evenly and broadly expanded. Overelaboration, which too often appeared in parts of previous edi-

tions, has been avoided. Numbers for which no book can be found have been omitted. To insure its fitness for classifying books in such libraries, each table has been scrutinized before its incorporation in this edition, not only by subject experts, but by librarians in public and university libraries of varying sizes.

In order that the reference value contained in the bibliographic fulness of some of the older editions may not be lost in less detailed expansions, liberal use has been made of definitions and scope notes in the Standard. So that its use may be simplified, definite recommendations are made when the possibility of alternative numbers arises. As reclassification is both a physical and financial impossibility for most libraries, no very drastic changes appear in the Standard. When it has seemed necessary for reasons of correction to use a number other than the original, the new classification is built upon a hitherto unused number. The old number is retained, but with the advice that use of the new classification is recommended.

Much unnecessary material has been omitted in the process of simplification. Punctuation has been reduced to a minimum; etc. has been omitted in confidence that the user will realize that no listings can possibly be complete. "May be divided like," except geographically, and other advice concerning subdivisions have been eliminated from almost all tables in the belief that the user does not need to be told how to arrange his collection.

First Summary

000	General Works	500	Pure Science
100	Philosophy	600	Applied Science
200	Religion	700	Arts and Recreation
300	Social Sciences	800	Literature
400	Linguistics	900	History

Second Summary

000	General Works
010	Bibliographical Science and Technique
020	Library Science
030	General Encyclopedias
040	General Collected Essays
050	General Periodicals
060	General Societies Museums
070	Journalism
080	Collected Works
090	Book Rarities

100	Philosophy Esthetics
110	Metaphysics
120	Metaphysical Theories
130	Fields of Psychology
150	Psychology
160	Logic
170	Ethics
180	Oriental and Ancient Philosophy
190	Modern Philosophy

200	Religion
210	Natural Religion
220	Bible
230	Systematic or Doctrinal Theology
240	Devotional Theology
250	Pastoral Theology

- 260 Ecclesiastical Theology
- 270 Christian Church History
- 280 Christian Churches and Sects
- 290 Non-Christian Religions

- 300 **Social Sciences Sociology**
- 310 Statistics
- 320 Political Science
- 330 Economics
- 340 Law
- 350 Public Administration
- 360 Social Welfare
- 370 Education
- 380 Commerce
- 390 Customs

- 400 **Linguistics**
- 410 Comparative Linguistics
- 420 English Language
- 430 German Germanic Languages
- 440 French Provençal
- 450 Italian Rumanian
- 460 Spanish Portuguese
- 470 Latin Other Italic
- 480 Greek Hellenic Group
- 490 Other Languages

- 500 **Pure Science**
- 510 Mathematics
- 520 Astronomy
- 530 Physics

540	Chemistry	Crystallography	Mineralogy
550	Earth Sciences		
560	Paleontology		
570	Biological Sciences		
580	Botany		
590	Zoology		

600 Applied Science

610	Medical Sciences		
620	Engineering		
630	Agriculture		
640	Home Economics		
650	Business and Business Methods		
660	Chemical Technology	Industrial Chemistry	
670	Manufactures, Continued		
680	Manufactures, Continued		
690	Building Construction		

700 Arts and Recreation

710	Landscape Architecture		
720	Architecture		
730	Sculpture		
740	Drawing	Decorative Art	
750	Painting		
760	Prints and Print Making		
770	Photography		
780	Music		
790	Recreation		

800 Literature

810	American Literature		
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- 820 English Literature
- 830 German and Other Germanic Literatures
- 840 French, Provençal, Catalan Literatures
- 850 Italian, Rumanian, Romansch Literatures
- 860 Spanish and Portuguese Literatures
- 870 Latin and Other Italic Literatures
- 880 Greek and Hellenic Group Literatures
- 890 Literature of Other Languages

- 900 History
- 910 Geography
- 920 Biography
- 930 Ancient World History
- 940 European History
- 950 History of Asia
- 960 African History
- 970 North American History
- 980 South American History
- 990 History of Oceania

Third Summary

000 GENERAL WORKS

- 001 Knowledge Learning Scholarship
- 002 The Book

010 Bibliographical Science and Technique

- 011 Universal and General Bibliographies
- 012 Bibliographies of Individuals
- 013 Bibliographies of Special Classes of Writers
- 014 Bibliographies of Anonymous and Pseudonymous works
- 015 National Bibliographies
- 016 Subject Bibliographies

020 Library Science

- 021 Libraries Establishment and Purpose Public Relations
- 022 Library Buildings
- 023 Library Personnel
- 024 Rules for Users of Libraries
- 025 Administration
- 026 Special Libraries Special Collections
- 027 General Libraries
- 028 Reading and Reading Guidance
- 029 Literary Methods

030 General Encyclopedias

- 031 American
- 032 English
- 033 German

034	French
035	Italian
036	Spanish
037	Russian
038	Scandinavian
039	Other
040	General Collected Essays
050	General Periodicals
060	General Societies
069	Museums
070	Journalism
071	Newspapers in America
072	Newspapers in England
073	Newspapers in Germany
074	Newspapers in France
075	Newspapers in Italy
076	Newspapers in Spain
077	Newspapers in Russia
078	Newspapers in Scandinavia
079	History of Individual Newspapers and of Newspapers of Countries not Provided for Above
080	Collected Works
081	Collected Works of Individual Authors
082	Collected Works of Several Authors
090	Book Rarities
091	Manuscripts
092	Block Books
093	Incunabula

094	Rare Printing
095	Rare Binding
096	Rare Illustrations or Materials
097	Book Plates Ex Libris
098	Other Kinds of Rarities Based on Intrinsic Characteristics
099	Other Kinds of Rarities Based on Extrinsic Characteristics

100 PHILOSOPHY

101 Esthetics

109 History of Philosophy

110 Metaphysics

111 Ontology

112 Methodology

113 Cosmology

120 Metaphysical Theories

121 Epistemology

123 Freedom

124 Teleology

130 Fields of Psychology

131 Psychosomatics

132 Abnormal Psychology

133 Occultism

134 Hypnotism Mesmerism

135 Dreams

136 Genetic Psychology

137 Individual Psychology

138 Physiognomy

139 Phrenology

150	Psychology
151	Intelligence
152	Sensation Perception
153	Cognition
154	Memory Learning
155	Imagination
156	Intuition
157	Emotion
158	Conation Movement
159	Motivation
160	Logic
161	Induction and Scientific Method
162	Deduction
164	Systems of Logic
170	Ethics
171	Theoretical Ethics
177	Social or Applied Ethics
179	Individual Ethics
180	Oriental and Ancient Philosophy
181	Oriental Philosophy
182	Pre-Socratic Philosophy
183	Sophism and Socratic Philosophy
184	Platonic Philosophy
185	Aristotelian Philosophy
186	Scepticism and Neo-Platonism
187	Epicureanism
188	Stoicism
189	Medieval Philosophy
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497	North American Languages
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512	Algebra
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514	Trigonometry
515	Descriptive Geometry
516	Euclidean Analytic Geometry
517	Calculus
518	Special Functions
519	Probability

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522	Observatories and Instruments
523	Descriptive Astronomy Astrophysics
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526	Geodesy
527	Celestial Navigation
528	Nautical Almanacs
529	Measurement of Time

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531	Mechanics of Solids
532	Mechanics of Liquids
533	Mechanics of Gases

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 - 535 Optics
 - 536 Heat
 - 537 Electricity and Magnetism
 - 539 Molecular, Nuclear, Atomic Physics

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 - 542 Apparatus and Equipment for Chemical Laboratories
 - 543 Analysis
 - 544 Qualitative Analysis
 - 545 Quantitative Analysis
 - 546 Inorganic Chemistry
 - 547 Organic Chemistry
 - 548 **Crystallography**
 - 549 **Mineralogy**

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 - 564 Mollusca and Molluscoidea
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 - 900 **HISTORY**
 - 909 **Modern World History**

 - 910 **Geography**
 - 911 Human Geography
 - 912 Atlases
 - 913 Geography of Ancient World
 - 914 Geography of Europe
 - 915 Geography of Asia
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 - 917 Geography of North America
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 - 919 Geography of Oceania and Polar Regions

 - 920 **Biography**
 - 929 Genealogy and Heraldry

 - 930 **Ancient World History**
 - 932 Ancient Egypt
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 - 937 Ancient Rome
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945.8	Malta
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946.8	Gibraltar
946.9	Portugal
947	Union of Soviet Socialist Republics European Part
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949	Other European Countries

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951	China
952	Japan
953	Arabia
954	India
954.1	Bhutan
954.2	Nepal
954.7	Pakistan
954.8	Ceylon
955	Iran
956	Near East
957	Union of Soviet Socialist Republics Asiatic Part
958	Middle East
959	French Indo-China
959.1	Union of Burma
959.3	Siam
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989.2	Paraguay
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991	Indonesia
992	Sunda
993	Melanesia
994	Australia
995	Papua-New Guinea
996	Polynesia and Micronesia
997	Isolated Islands
998	Arctic Regions
999	Antarctic Regions

Form Divisions

- 01 **Philosophy Theory Methodology**
- 02 **Compends Handbooks Outlines**
Includes digests, syllabuses, charts, manuals
- 03 **Dictionaries Encyclopedias**
Includes concordances, lexicons, glossaries,
vocalularies
- 04 **Essays Addresses Lectures**
- 05 **Periodicals Directories Almanacs**
- 06 **Associations Societies**
Includes transactions, reports, charters,
regulations, lists of members
- 07 **Study and Teaching**
Includes research and experimentation
- 08 **Collections**
- 09 **History and General Local Treatment**
- 092 **Biography**

TABLES

000 General Works

001 KNOWLEDGE LEARNING SCHOLARSHIP

Includes concept of knowledge, technical and scientific processes of study and research and intellectual cooperation

For Application of above to particular field of knowledge or learning, see specific subject

002 THE BOOK

Value Influence

It is recommended that the History of books be classified in 655.4

For Technical or specific discussions of printing, publishing, book-selling, see 655

010 BIBLIOGRAPHIC SCIENCE AND TECHNIQUE

Introduction Theory Method

Includes book collecting, bibliomania, bibliographic control

011-019

BIBLIOGRAPHIC WORKS

Lists of works Catalogs of books Indexes Collections of brief abstracts

Previous editions have provided 017-019 for catalogs, but as most libraries make no distinction between bibliographies and catalogs, these numbers have been omitted in this edition

011 UNIVERSAL AND GENERAL BIBLIOGRAPHIES

Author arrangement of bibliographies not limited to any particular subject, time, or locale, e.g. Brunet's *Manuel de Libraire et de l'Amateur de Livres*

012 BIBLIOGRAPHIES OF INDIVIDUALS

Bibliography of works by or about an individual or both. Use of this number is limited to works of individuals whose major importance does not lie in specific subject fields or whose works are too general to fit any specific subject

For Bibliographies of individuals closely related to specific subjects, see 016

**013 BIBLIOGRAPHIES OF SPECIAL CLASSES
OF WRITERS**

Bibliography of works whose chief value lies in authors' having some common characteristic, e.g. alumni of college, members of religious organization

**014 BIBLIOGRAPHIES OF ANONYMOUS AND
PSEUDONYMOUS WORKS**

May be divided like 030

015 NATIONAL BIBLIOGRAPHIES

Bibliography of works published in same place, whether country, city, or publishing house "Press books" Lists and indexes of government publications

May be divided like 940-999, e.g. Books published in Belgium, 015.493

For Bibliographies of works about a place, see 016

016 SUBJECT BIBLIOGRAPHIES

Bibliographies of works devoted to a single subject or bibliographies arranged by subject "Best books" Brief abstracts

May be divided like whole classification, e.g. Bibliography of travel in England, 016.9142; with exception of Bibliographies of music itself, 781.97; Children's books, 028.5

Where interest in subject bibliography lies with specific subject rather than in bibliography, class in general number for subject. It is recommended in this case that bibliography be separated from rest of general material on subject by a symbol, e.g. Bibliography of organic chemistry, *547

020 LIBRARY SCIENCE

For Form divisions .1-5 and .7-9, see p. lv. An exception in .6 follows:

- .6 Societies Clubs Conferences**
Includes "Friends of the library"
- .622 National Associations**
- .623 State and Regional Associations**
- .624 Local Clubs**
- .63 Conferences**

021 LIBRARIES ESTABLISHMENT AND PURPOSE PUBLIC RELATIONS

- .2 Library as Educational Force**
Active participation of libraries in education and role of libraries in adult education
For Readers' guidance, see 028.8; Adult education, 374; Library's participation in education by means of media other than books, 021.4
- .3 Library in Relation to Other Institutions**
Relationship between libraries and other educational or special institutions, e.g. schools, museums
For Libraries owned and administered by schools, see 027.8
- .4 Library Service by Means of Media Other Than Books**
Services of library to organized groups, e.g. study clubs, reading and discussion groups, provision of leaders, and by lectures, institutes, television, radio broadcasts, plays, music, use of film, and exhibitions
- .6 Library Extension**
At least minimum provision for library service to all people by means of effective units supplemented by state and federal aid
Includes traveling libraries
For Role of state in library extension, see 021.8

- 021.62 Units of Service**
Includes county and regional libraries with machinery of stations, branches, school deposits, and bookmobiles
For Reports, administration of county and regional libraries, see 027.42
- .64 Coordination and Cooperation between Libraries**
Cooperation and specialization schemes of book selection and purchase Cooperative classification and cataloging Union catalogs Bibliographic centers Liberal inter-library lending Cooperative storage reservoirs Co-ordinated personnel policies Publicity
For Cooperation in specific departments, see department, e.g. Cooperative cataloging, 025.35; Interlibrary lending, 025.6
- .7 Library Publicity**
Presentation of resources and problems of libraries by advertising and publicity in the press, on the radio, and by means of lobbying, for purpose of gaining and maintaining interest and support
- .8 Library and the State**
- .81 Government Supervision**
- .82 Library Commissions**
For Commissions' reports stressing work of state's public libraries, see 027.4; Special work of commissions, subject unless it seems desirable to keep all commissions' work together
- .85 Exchanges of Publications**
By state or central authority
For Exchanges between individual libraries, see 025.22
- .89 Library Legislation**
For Laws of special subjects, see subject, e.g. Law for library commissions, 021.82
- .9 Library Support**
Taxation Appropriations Endowments

022 LIBRARY BUILDINGS

- .1 Location Site**
- .2 Materials Protection**
 Building materials Protection against fire and other dangers
 Insurance
- .3** It is recommended that **Design, Plans, Construction, Remodeling** be classified in **Library Architecture, 727.8**
- .4 Shelving Storage**
 Stacks Cases for special materials Storage building
 Cooperative storage
- .7 Lighting**
- .8 Heating Ventilation Air conditioning**
- .9 Furniture Fixtures Equipment**
 Carriers Communication systems Elevators Floor coverings

023 LIBRARY PERSONNEL

- .2 Appointment Certification Promotion Tenure**
Federal, State and Local Civil Service
- .3 Governing Board**
 Trustees Directors Regents Library committees
- .4 Executive**
 Librarian Department heads
- .5 Staff**
 Qualifications Staff meetings
 For Directorics of the staffs of particular libraries, see 027
- .8 Classification and Pay Plans Pensions Retirement**
- .9 Staff Rules**

024 RULES FOR USERS OF LIBRARIES

025

ADMINISTRATION

Administration and supervision of various departments of libraries

For Administration of specific types of libraries, see 026 and 027

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Finance

Budgets Cost records Accounting procedure

Where interest in accounting procedure lies chiefly in its relation to Accounting rather than in application to specific subject, class in 657

.12

Printing and Publications

Reports Statistics Catalogs Bulletins

.129

Duplication Processes

Microphotography Mimeographing Multigraph-
ing Photostating

Other processes for duplicating library materials

For Machines and mechanical processes, see 652

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Treatment of Special Materials

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Music

Scores Records

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Acquisition

For Book collecting, see 010; Lists and aids to selection and buying, 011-016 and 028

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- 025.21 **Book Selection Process**
 Methods Duplication Best sellers Censorship
 Weeding Cooperation Specialization
- .22 **Methods of Acquisition**
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- .3 **Cataloging**
- .32 **Rules**
- .33 **Subject Headings**
- .34 **Cataloging of Special Materials**
- .35 **Cooperative Efforts**
 Cooperative cataloging Union catalogs
- .37 **Filing**
- .4 **Classification**
 Principles Systems Notation Cooperative studies
- .46 **Classification of Special Subjects**
- .5 **Reference Service**
 Reference function of libraries Administration of reference libraries
 For Readers' advisory service, see 028.8
- .6 **Circulation Service**
 Administration of circulation work Charging systems
 Equipment Interlibrary lending
 For Rules of library users, see 024
- .7 **Binding Repair**
 Restoration of books after damage or wear
 For Methods of preventing damage or wear, see 025.8;
 Bookbinding as a trade, 655.45
- .8 **Arrangement Preservation**
 Book numbers Inventory Preservation against injury,
 heat, insects

-
- 026 SPECIAL LIBRARIES SPECIAL COLLECTIONS**
History Reports Administration Statistics
Includes everything about special libraries not more useful in preceding sections
- 027 GENERAL LIBRARIES**
History Reports Administration Statistics
Includes everything about libraries not more useful in preceding sections
- .1 Private and Family Libraries**
Class this type of library here, even after it has been sold or merged in public library
- .2 Proprietary Society Club Athenaeum Libraries**
Libraries that are semi-private, requiring membership for admission
For Society libraries after they have become public libraries, see 027.4
- .3 Subscription Rental Libraries**
Libraries which are open to anyone upon payment of fee
- .4 Public Libraries**
- .42 Branch Libraries County Libraries Regional Libraries**
For Extension function alone, see 021.62
- .5 National and International Libraries**
Bibliothèque Nationale, Pan-American Union, UN Library
- .6 Library Service for Special Age or Societal Groups**
- .62 Children's Libraries Young People's Libraries**
Administration and work with children and young people
Story telling
Where interest in story telling lies chiefly in relation to education, class in 372.21
For School libraries, see 027.8; Children's reading, 028.5
- .63 Libraries for Foreign Born and Minority Groups**

- 027.64 Libraries for Industrial Workers**
 Merchant marine libraries Labor union libraries
- .65 Government Agency Libraries**
 Army military post and camp libraries Warship and
 navy yard libraries Police and fire department libraries
 U. S. State Department libraries in foreign countries
*For Government department libraries devoted to special
 subjects, see 026*
- .66 Welfare Institution Libraries**
 Includes library service for the handicapped; library service
 in hospitals, reformatories and prisons
- .67 Religious Organization Libraries**
 Sectarian or denominational libraries not limited as to subject,
 e.g. Monasteries, Salvation Army
For Religious libraries, see 026; School libraries, 027.8
- .7 College and University Libraries Junior College Libraries**
- .8 School Libraries**
For Children's libraries, see 027.62

028-029

SUBJECTS ALLIED TO LIBRARY SCIENCE

- 028 READING AND READING GUIDANCE**
 Includes lists and collections of book reviews not limited to
 any one subject and designed as aid in selecting individual
 reading Reviewing
*For Teaching of reading, see 372.4; Reading techniques in
 public speaking, 808.54; Abstracting, 029.4*
- .3 Reading Courses**
 Includes discussion and lists of books for individual reading
*For Remedial reading in elementary education, see 372.4;
 Remedial reading other than elementary, 428.4*
- .5 Children's Books**
 Includes discussion and lists of books; children as authors

-
- 028.7 **Use of Books and Libraries As Sources of Information**
 Includes use of reference books
- .8 **Reader Guidance**
 Includes readers' advisory service
- .9 **Reading Habits and Tastes of the Community**
 Surveys Research information
- 029 **LITERARY METHODS**
- .4 **Abstracting**
- .5 **Indexing**
- .6 **Preparation of Manuscript or Copy**
 Preparation of manuscripts or copy in acceptable form for
 publication, radio broadcasting, television or motion pic-
 tures
 For Style of writing for publication, television, radio or
 motion pictures, see 808; Proof reading, 655.2; Journal-
 ism, 070
- 030 **GENERAL ENCYCLOPEDIAS**
 Includes "curiosities," books of questions, "quizzes"
 For Encyclopedias devoted to a single subject, see subject, c.g.
 Encyclopedia of social sciences, 303
- 031 **AMERICAN**
 Encyclopedias in English, but of North American origin
- 032 **ENGLISH**
 Encyclopedias in English primarily of English origin
- 033 **GERMAN**
- 034 **FRENCH**
- 035 **ITALIAN**
- 036 **SPANISH**
 Encyclopedias written in Spanish but originating in Latin
 America may be separated by adding initial of country in
 which it originated, c.g. Spanish encyclopedia originating in
 Argentina, A036

-
- 036.9 Portuguese**
May be divided like 036, e.g. Portuguese encyclopedia originating in Brazil, B036.9
- 037 RUSSIAN**
- .8 Other Slavic**
May be divided like 491.8, e.g. Polish encyclopedia, 037.85
- .9 Ukranian Ruthenian**
- 038 SCANDINAVIAN**
- .6-.82** May be divided like 439.6-.82, e.g. *Nordisk Familjebok*, 038.82
- 039 OTHER**
May be divided like 420-499 except as provided above, e.g. *Encyclopedia Japonica*, 039.956
- 040 GENERAL COLLECTED ESSAYS**
Monographs Addresses Lectures
Includes only collections, too general to go in a specific subject, of non-literary essays or articles
May be divided like 030
For Collections of essays about Literature in general, see 804; Collections of French literary essays, 844.08
- 050 GENERAL PERIODICALS**
May be divided like 030 or arranged alphabetically by title
For Periodicals devoted to particular subjects or for material about them, see subject, e.g. Scientific periodicals, 505
- 060 GENERAL SOCIETIES**
Learned societies, academics, foundations, international associations, conferences, and congresses whose activity is not limited to specific subjects, e.g. UNESCO, Academy of Paris
For Societies which have specific purpose or subject, see subject, e.g. Publications of American Historical Society, 973.06

069 MUSEUMS

Full tables designed for use of museums may be found in Editions 12, 13, and slightly cut in Edition 14

It is recommended that libraries classify museum material with subject of museum's specialization, e.g. Science museums, 507; Art museums, 708

Material on museums devoted to single subject may be divided like the table for general museums below, e.g. Scientific museum expeditions, 507.4, except where special numbers have already been provided, e.g. Preservation of specimens in biological museums, 579

.1 Educational Function of Museums

Work with children Adult education Circulation of objects, collections, exhibits, slides, and films

.2 It is recommended that Museum Buildings be classified in 727.6, except Art Galleries, 727.7**.3 Museum Equipment**

Furniture Furnishings Supplies

.4 Collecting and Preparation of Museum Materials for Exhibit

Expeditions Repairing Restoring Construction of models Construction of groups

It is recommended that Collection and treatment of special materials be classified with the subject, e.g. Collection of science materials, 507.4

.5 Museum Collections and Exhibits

Acquisition Registration Accessioning Exhibition methods Catalogs Guides

.6 Museum Administration

Organization Personnel Finance Cooperative efforts

070

JOURNALISM

Business of managing, editing and writing for journals and newspapers

Includes press associations, syndicates

For Newspapers themselves, see 071-079; Periodicals, 050; Form divisions .5-9, p. lv, exceptions .1-4 follow:

.1**The Press**

Theory Ethics Standards Influence Scope and importance

"The Press" is an inclusive term for newspaper, magazine and book publication

Includes relation to Economics, Literature and other fields

.13**Relation to the State**

Includes laws governing the Press, censorship and libel

For Theoretical discussions of freedom of press, see 323.44

.3**Business Management of Newspapers and Magazines**

Management of various departments such as composing and press rooms, circulation and advertising departments

Includes cost of production, sources of income

For Printing, see 655; Advertising, 659.1; Circulation surveys, 658.83

.4**Editorial Management**

Includes news channels, e.g. news by telegraph and radio, news bureaus, syndicated news

.41**News and News Writing**

News gathering Interviewing Correspondence

Reporting Style in news writing Headlines Ed-

iting and makeup Copyreading

Includes radio news writing

For Aids for writing in form acceptable for publishing, see 029.6

.43**Editorials and Editorial Writing**

- 070.48 Journalism Designed to Interest Special Groups**
 Management of publications specializing in fiction, literary criticism and opinion, news, technical and trade material and other special interests
 Includes digests, foreign language publications
For School journalism, see 371.805; Newspapers, 071-079; Magazines, 051-059
- .489 Pictorial Journalism**
 Magazines and newspapers which tell stories by means of pictures and running commentary Tabloids
For Newsreel photography, see 778.5; Newspapers, 071-079; Magazines, 051-059

071-079

HISTORY OF INDIVIDUAL NEWSPAPERS

and of newspapers of specific countries

*Large libraries may arrange newspapers by this plan,
 but more common practice is to arrange them alphabetically by name*

- 071 NEWSPAPERS IN AMERICA**
 American and Canadian newspapers
- .1 Newspapers in Canada**
- .3 Newspapers in United States**

072-078

HISTORY OF INDIVIDUAL EUROPEAN NEWSPAPERS

and of newspapers of specific European countries

May be divided like 942-948

- 072 NEWSPAPERS IN ENGLAND**
- 073 NEWSPAPERS IN GERMANY**
- 074 NEWSPAPERS IN FRANCE**
- 075 NEWSPAPERS IN ITALY**
- 076 NEWSPAPERS IN SPAIN**

- 077 **NEWSPAPERS IN RUSSIA**
 078 **NEWSPAPERS IN SCANDINAVIA**

079

HISTORY OF INDIVIDUAL NEWSPAPERS
and of newspapers of countries not provided for
above
May be divided like 930-999, e.g. Mexican,
079.72, Chinese, 079.51

080 **COLLECTED WORKS**

Collection of several articles of different subjects brought together in a single work, collection, or series of books

081 **COLLECTED WORKS OF INDIVIDUAL
 AUTHORS**

Complete or collected works of author, too broad in interest to be classified in one subject

For Collected non-literary essays of an author, too broad in scope to be classified in one subject, see 040

082 **COLLECTED WORKS OF SEVERAL
 AUTHORS**

Collection of works by various authors on different subjects, e.g. Home University series
 Includes miscellanies, extracts

090 **BOOK RARITIES**

Works on bibliographical or literary history or critical accounts of books possessing some characteristic, such as script, binding, illustration, which makes them rare or valuable. Rare works or facsimiles are usually classified according to subjects they cover; some libraries, however, prefer to place them in 090-099

091 **MANUSCRIPTS**

For Manuscripts important chiefly because of illumination, see 096

.5 **Autographs**

092 **BLOCK BOOKS**

-
- 093 INCUNABULA**
Works about books printed before 1500
- 094 RARE PRINTING**
Works about books of great rarity but printed after 1500, e.g. Elzevirs; privately printed books; small editions; unique, limited, and first editions
- 095 RARE BINDING**
- 096 RARE ILLUSTRATIONS OR MATERIALS**
Illuminations Printing on vellum, silk Printing in gold or silver
For Book illustration, see 741.64; Technique of illumination, 745.67
- 097 BOOK PLATES EX LIBRIS**
- 098 OTHER KINDS OF RARITIES BASED
ON INTRINSIC CHARACTERISTICS**
Banned books or books prohibited by religious or civil authority Lost books Hoaxes Romans à clef (key to literary characters drawn from life)
- 099 OTHER KINDS OF RARITIES BASED
ON EXTRINSIC CHARACTERISTICS**
Works of exceptional dimensions

100 Philosophy

Whole body of thought concerning the kind of world we live in, the kind of beings we are, and our relation to the world

For Philosophy of specific subjects, see subjects, e.g. Philosophy of science, 501; Form divisions 2–8, p. lv

101 ESTHETICS

Theories and standards of value in the realm of beauty and the arts

For Esthetics of specific subjects, see subjects, e.g. Esthetics of fine arts, 701.1, Literary esthetics, 801

109 HISTORY OF PHILOSOPHY

Comprehensive works

For Oriental and ancient philosophy, see 180's; Modern philosophy, 190's

110 METAPHYSICS

Science of existence

111 ONTOLOGY

Theory of being or reality

112 METHODOLOGY

For Methodology of specific subjects, see form division .01 under subject, e.g. Methodology of physics, 530.1

113 COSMOLOGY

Philosophy of nature, its fundamental processes and relation of its parts

It is recommended that Cosmogony (theory of origin of the universe) be classified in 523.1

120 METAPHYSICAL THEORIES

121 EPISTEMOLOGY

Theory of knowledge, its origin and sources, limits, validity

123 FREEDOM

Nature of human liberty

124 TELEOLOGY

Theory of purpose, e.g. that everything in the world is a product of design

128 It is recommended that SOUL be classified in 218 or 233.5

130 FIELDS OF PSYCHOLOGY

For Psychology in general, see 150

131 PSYCHOSOMATICS

Relationship of body functions to mental processes

For Psychosomatic medicine, see 616.08

.3 Clinical Psychology

For Psychological testing, see 151.2

.32 Psychotherapy

Psychological treatment of mental ills

.34 Psychoanalysis

Diagnosis of mental and nervous disorders by analysis of emotional history of patient

Includes psychoanalytic schools, e.g. Freud, Adler, Jung

132 ABNORMAL PSYCHOLOGY

Includes irrational, abnormal, or deranged mental processes, their causes, mental symptoms of disease

For Medical treatment of these disorders, see Nervous system and neurology, 616.8; Psychoses and psychiatry, 616.89

133-135

PSEUDOPSYCHOLOGY

133 OCCULTISM

Belief in hidden or mysterious powers and possibility of human control of them

.07 Psychical Research or Parapsychology

Investigation of obscure, unexplained, or questionable mental or spiritual phenomena

.1 Apparitions

Includes ghosts

.3 Divination

Includes prophecies; crystal gazing, fortune telling, numerology

.4 Witchcraft

Includes sorcery, necromancy, demonology

-
- 133.5 **Astrology**
 Includes horoscopes, zodiac signs
- .6 **Palmistry**
- .7 **Charlatanry**
- .8 **Telepathy**
 Includes clairvoyance, clairaudience, mind reading, thought transference
- .9 **Spiritualism**
 Includes mediums, trances
- .93 **Psychic Phenomena**
 Includes automatic writing, trance speaking
- 134 **HYPNOTISM MESMERISM**
 Includes animal magnetism
- 135 **DREAMS**
 Includes types of dreams and their interpretation

136-139

DIFFERENTIAL PSYCHOLOGY,
Psychology of group and individual differences

- 136 **GENETIC PSYCHOLOGY**
 Inquiry into course of growth in individuals
- .1 **Sex Psychology**
 Influence of sex in personality development
- .2 **Environmental Psychology**
 Influence on individuals of physical and social surroundings
 For Social psychology, see 301.1
- .3 **Evolutionary Psychology**
 Influence of heredity on personal characteristics
- .4 **Ethnopsychology**
 Psychology of races or folk psychology

- 136.5 Adult Psychology**
Psychology of maturity and senescence
- .7 Child Psychology**
Study of children from birth to adulthood
Includes physical and mental growth, attitudes, problems of normal children
For Educational psychology, see 370.15; Child care and management, 649.1; Pediatrics, 618.9; Social problems of youth, 301.46
- .71 Infant Psychology**
Psychology of babyhood and infancy, 1-2 years (formerly classified in 136.7352)
- .73 Adolescent Psychology**
Psychology of puberty and youth, 12-25 years
It is recommended that Psychology of babyhood and infancy be classified in 136.71
- .76 Psychology of Exceptional Children**
Development of children who deviate considerably from normal, e.g. physically handicapped, mentally handicapped or gifted
For Education of exceptional children, see 371.9

137-139

CHARACTER ANALYSIS

137 INDIVIDUAL PSYCHOLOGY

- Psychology of character Individuality Personality development
Includes psychical variations between one individual and another, personality traits, temperaments
- .7 Graphology**
Character analysis by study of handwriting

137.8

Personality Tests

Description or characterization of personality by self-inventory, rating, projection tests, e.g. Thematic apperception, Humm-Wadsworth temperament scale, Rorschach psychodiagnostic test

For Psychological testing, see 151.2

138

PHYSIOGNOMY

Determination of character from analysis of features

139

PIIRENOLOGY

Study of skull structure as indicative of mental faculties

140

It is recommended that **PHILOSOPHIC SYSTEMS** be
classified in 180–190

150 PSYCHOLOGY

Study of human behavior

*For Social psychology, see 301.1; Educational psychology, 370.15;
Fields of psychology, 130; Form divisions .2-.6, .8-.9, p. lv*

150.1 Psychological Theories

Includes rational psychology, the study that seeks to account for facts of consciousness by underlying principles

.13 Applied Psychology

Includes general applications of psychology, their usefulness, value, importance

For Applications of psychology to specific subjects, see subjects, e.g. Psychology of art, 701

.19 Systems of Psychology

Includes Gestalt psychology, Behaviorism

.7 Study and Teaching of Psychology

.72 Experimental Psychology

Study of psychology by experimental methods

151 INTELLIGENCE

.1 Genius

.2 Psychological Testing

Includes forms of tests, their construction and administration, scoring, interpretation of results

For Educational tests and measurements, see 371.26

.22 Intelligence and Aptitude Tests

Includes individual and group, verbal and non-verbal tests, e.g. Stanford-Binet, Yerkes point scale, Otis group tests, Army Alpha and Beta tests

.3 Comparative or Animal Psychology

Study of mental life of lower animals

152 SENSATION PERCEPTION

Includes sensory mechanisms, visual, auditory, olfactory, gustatory, tactile sensations; elements, errors, special classes of perception

For Physiology of senses and sensation, see 612.8

.8 Psychophysics

Study of relations between mental and physical processes
Includes psychometry, the measurement of speed and precision of mental processes

153 COGNITION

Capacity of the mind for knowledge and understanding
Includes active mental functions, e.g. thinking, association of ideas, judgment, reasoning

154 MEMORY LEARNING**.1 Memory**

Includes memory aids, e.g. mnemonics

.4 Learning

Methods, types of learning Aids to learning

.5 Forgetting

Includes causes of memory lapses

155 IMAGINATION**156 INTUITION****157 EMOTION**

Includes emotional states, expression of emotion, varieties of emotion, e.g. fear, love, surprise, jealousy*

158 CONATION MOVEMENT

Drives, impulses, and actions resulting from them

.4 Involuntary Movement**.42 Innate**

Includes reflexes, conditioned response, instinct

.43 Acquired

Includes habit

158.5 Voluntary Movement**.8 Special Motor Functions**

Includes locomotion, vocal and graphic expression

159 MOTIVATION

Includes freedom and training of the will; adaptability

160 LOGIC

Science of correct thinking

161 INDUCTION AND SCIENTIFIC METHOD

Method of reasoning from particular to general, from facts to generalizations

Includes simple enumeration, method of agreement, method of difference

For Statistical method, see 311

162 DEDUCTION

Method of reasoning from general to particular, from general propositions to particular conclusions

Includes propositions, premises, assumptions, conclusions

164 SYSTEMS OF LOGIC

Includes Aristotelian or traditional logic, symbolic logic, epistemological logic, multivalued logic, pragmatic logic

170 ETHICS

Theory of right way of life, and basis of judgments concerning right and wrong, good and bad, better or worse in human conduct and social institutions

*For Social institutions and relationships, see Sociology, 301.4;
Manners and customs, 390's*

171 THEORETICAL ETHICS

Includes ethical problems, e.g. nature of summum bonum, origin and validity of sense of duty, character and authority of moral obligation; ethical theories, e.g. those that consider happiness to be the greatest good, theories of self-realization, theories resting upon relation of man to universe

172 It is recommended that **POLITICAL ETHICS** be
classified in 177

For Political corruption as a social problem, see 301.46

It is recommended that **International Ethics** be classified in
177

For International law and cooperation, see 341

173 It is recommended that **FAMILY ETHICS** be classified
in 177; **MARRIAGE AND THE FAMILY** in 301.422

*For Marriage and family customs, see 392; Sex physiology and
hygiene, 612.6*

174 It is recommended that **PROFESSIONAL** or
BUSINESS ETHICS be classified with Professions or
Businesses, e.g. Medical Ethics, 610; Legal Ethics, 340

175 It is recommended that **ETHICS OF RECREATION**
be classified in 177

176 It is recommended that **SEXUAL ETHICS** be classified
in 177; **PROSTITUTION** as Social Problem, 301.424

For Sex physiology and hygiene, see 612.6

177 SOCIAL OR APPLIED ETHICS

Includes evolution of ethics in its relationship to social institutions; application of ethics in solving problems of social life

**178 It is recommended that ETHICS OF TEMPERANCE
 be classified in 177; ALCOHOLISM and DRUG
 ADDICTION as Social Problems in 301.46**

For Medical treatment of Alcoholism and the drug habit, see 616.86; Temperance movement in the U. S., 973.91

179 INDIVIDUAL ETHICS

Includes origin and growth of moral consciousness in the individual; conduct of life

180 ORIENTAL AND ANCIENT PHILOSOPHY

History Doctrines Schools or systems

For Comprehensive history of philosophy, see 109; Biography of philosophers, 921

181 ORIENTAL PHILOSOPHY

Includes modern oriental philosophy

.1 Chinese Philosophy

Includes philosophy of Confucius, Mencius

For Chinese religions, e.g. Confucianism and Taoism, see 299; Chinese Buddhism, 294.32

.3 Jewish Philosophy

Includes philosophy of Philo Judaeus, Maimonides

For Judaism, see 296

.4 Indian Philosophy

Includes Nyaya, Vaisheshika, Mimamsa philosophies

For Buddhism and Jainism, see 294.3-4

.41 Samkhya Philosophy

Includes philosophy of Kapila

.45 Yoga Philosophy

Includes philosophy of Patanjali

.48 Vedanta Philosophy

Includes philosophy of Samkara, Ramanuja, Madhva

182 PRE-SOCRATIC PHILOSOPHY

Includes Milesian and Eleatic schools, Pythagoreans, the Atomists, philosophy of Heraclitus, Empedocles, Anaxagoras

183 SOPHISM AND SOCRATIC PHILOSOPHY

Includes the lesser Socratics, e.g. Megarics, Cynics

184 PLATONIC PHILOSOPHY

For Plato's literary works, see 888

185 ARISTOTELIAN PHILOSOPHY

For Aristotle's literary works, see 888

186 SCEPTICISM AND NEO-PLATONISM

Scepticism was formerly classified in 149.7

Includes philosophy of Pyrrho, Plotinus

187 EPICUREANISM**188 STOICISM**

Includes philosophy of Seneca, Epictetus, Marcus Aurelius

189 MEDIEVAL PHILOSOPHY

Includes Patristic period, Gnosticism, Scholasticism, Averroism,
philosophy of St. Augustine, St. Anselm, Duns Scotus, St.
Thomas Aquinas, Abelard

190 MODERN PHILOSOPHY

History Doctrines Schools or systems

Includes philosophic doctrines and systems which cut across national boundaries, e.g. Materialism, Idealism and Transcendentalism, Empiricism and Pragmatism, Intuitionism, Neo-Realism, General Semantics, formerly classified in 140's

For Comprehensive history of philosophy, see 109; Biography of philosophers, 921

191 AMERICAN PHILOSOPHY

Includes philosophy of John Dewey, Willian James, Charles Peirce, Josiah Royce, George Santayana

192 BRITISH PHILOSOPHY

Includes philosophy of Bacon, Locke, Berkeley, Hume, John Stuart Mill, Spencer, Hobbes, Russell, Whitehead

193 GERMAN PHILOSOPHY

Includes philosophy of Leibniz, Kant, Fichte, Schelling, Hegel, Schopenhauer, Nietzsche, Wundt, Husserl, Herbart, Heidegger, Spengler

194 FRENCH PHILOSOPHY

Includes philosophy of Descartes, Condillac, LaMettrie, Comte, Taine, Bergson, Sartre, Renouvier

195 ITALIAN PHILOSOPHY

Includes philosophy of Telesio, Croce, Gentile, Bruno

196 SPANISH AND PORTUGUESE PHILOSOPHY

Includes philosophy of Ortega, Turro, Unamuno

197 RUSSIAN PHILOSOPHY

Includes philosophy of Berdiaev, Roerich

198 SCANDINAVIAN PHILOSOPHY

Includes philosophy of Kierkegaard, Höffding

199 OTHER MODERN PHILOSOPHIES

. May be divided like 940-999 except as provided above

.492 Dutch Philosophy

Includes philosophy of Spinoza, Geulincx, Hemsterhuis

.8 Spanish-American Philosophy

200 Religion

*For Comparative religions, see 290; Form division 01-09 p. iv,
expansion in .01 follows:*

201.6

Psychology of Religion

For Pastoral counseling, see 253.5

210 NATURAL RELIGION

Religious truth arrived at by means of philosophical speculation or reasoning without aid of supernatural revelation

Includes evidence of divine purpose in nature; good and evil, theodicy, worship

For Christian theology, see 230; Theology in comparative religion, 291.2

211 DEISM ATHEISM THEISM

Theories concerning God based on philosophy of reason, e.g. personal God, impersonal God, denial of idea of God

For Concepts of God based on revelation, see specific theology, e.g. Christian, 231; Judaic, 296.3; Mohammedan, 297; Christian apologetics, 239; Deism in church history, 270.7; Atheism in church history, 270.8; New thought, 131.32

212 PANTHEISM THEOSOPHY

For Theosophy founded by Blavatsky, see 294.58

213 CREATION

Religious theories concerning birth of the world

For Cosmology, see 113; Genesis, 222.1; Man in Christian theology, 233; Geology, 550; Evolution, 575; Attempts to reconcile religious theories with science, 215

215 RELIGION AND SCIENCE

Includes antagonism or reconciliation between science and revealed religion; Bridgewater treatises

For Science, see 500

218 IMMORTALITY

Includes conceptions of future life

For concepts based on revelation, see specific religion, e.g. Christian, 236-237, Soul in Christian theology, 233.5

220-269 CHRISTIAN RELIGION

220 BIBLE

Includes Old and New Testaments

For Old Testament, see 221; New Testament, 225; Apocrypha, 229; Form divisions, .01-.02 and .04-.08, see p. iv

220.1 **Biblical Criticism**

.12 **Canon**

Consideration of Bible as Holy Scripture

.13 **Inspiration**

.14 **Authorship**

.15 **Prophetic Message**

Word of God spoken by his prophets

For Prophecies concerning Messiah in Judaic eschatology, see 296.3; Prophecies concerning Christ as Messiah, 232.1; Prophecies concerning Christian eschatology, 236-237

.2 **Concordances Analyses**

.3 **Dictionaries**

.4 **Early Texts and Primary Versions Codices**

Texts in original language and translation into ancient languages, e.g. Vulgate; codices before 5th century A.D., e.g. Codex sinaiticus

Includes whole Bible and parts

For Early texts and versions of Old Testament, e.g. Septuagint, see 221.4; New Testament, 225.4; Translations into modern languages, 220 5

.5 **Other Versions of Bible**

Translations into modern languages using primary versions as sources, e.g. King James version, Douai version

Includes polyglots and selections

May be divided by language like 400, e.g. Bible in German, 220.53

For Rare books, see 090; Translations of specific early versions, 220.4

220.6

Exegesis

Explanation of meaning of Bible, symbolism and typology
Includes understanding of Bible in different times and places;
methods of textual, representative and spiritual interpretation

*For Interpretations limited to specific subject, see subject,
e.g. Theology, 230*

.7

Commentaries on Whole Bible

Includes annotated editions

*For Notes on Old or New Testament, or portions, see 221-
229*

.8

Treatises on Special Topics

Includes natural science in Bible

.9

Biblical Geography and History

History and geography based on Bible
Includes chronology

.91

Geography and Description

*For Description of Judaea in ancient times, based on more
sources than Bible, see 933*

.92

Biographies of Biblical Characters

*For Biography of ministers and missionaries, see 920; Biog-
raphies of Jesus Christ, 232.9*

.93

Biblical Archeology

*For Archeology, see 571; Antiquities of Palestine based on
more sources than Bible, 933*

.95

History Based upon Bible

Includes retelling of Bible stories

For Ancient Judean history, see 933

221

OLD TESTAMENT

May be divided like 220, e.g. Septuagint, 221.4
For Judaic religion, see 296

222 HISTORICAL BOOKS

.1 Pentateuch Torah

Includes Genesis, Exodus, Leviticus, Numbers, Deuteronomy

.16 Decalog Ten Commandments

.2 Joshua .6 Chronicles

.3 Judges and Ruth .7 Ezra

.4 Samuel .8 Nehemiah

.5 Kings .9 Esther

223 POETIC BOOKS

.1 Job

.2 Psalms

.5 Liturgical Use by Christians Metrical Versions

For Anglican psalter, see 264.03; Hymnology, 245

.6 Commentaries on Psalms

.7 Proverbs

.8 Ecclesiastes

.9 Song of Solomon, or Canticles

224 PROPHETIC BOOKS

.1 Isaiah .5 Daniel

.2 Jeremiah .6 Hosea

.3 Lamentations .7 Joel

.4 Ezekiel .8 Amos

.9 Other Minor Prophets

Includes Obadiah, Jonah, Micah, Nahum, Habakkuk, Zephaniah, Haggai, Zechariah, Malachi

225 NEW TESTAMENT

May be divided like 220, e.g. Codex Beza, 225.4

226 GOSPELS AND ACTS

.1	Harmonies	.6	Acts of Apostles
.2	Matthew	.7	Miracles
.3	Mark	.8	Parables
.4	Luke	.9	Lord's Prayer
.5	John		

227 EPISTLES

.1	Romans	.5	Ephesians
.2	Corinthians I	.6	Philippians
.3	Corinthians II	.7	Colossians
.4	Galatians		
.8	Other Pauline Epistles		
	Includes 'Thessalonians I, II, 'Timothy I, II, Titus, Philemon, Hebrews		
.9	Catholic Epistles		
	Includes James, Peter I, II, Jude, John I, II, III		

228 APOCALYPSE REVELATION**229 APOCRYPHA AND PSEUDEPIGRAPHIA**

Includes Apocrypha of Old Testament (Esdias I, II, Tobit, Judith, Esther, Wisdom, Ecclesiasticus, Baruch, Epistle of Jeremy, Song of Three Children, Story of Susanna, History of Bel and Dragon, Prayer of Manasses, Maccabees I, II, III, IV)

.9 Old Testament Pseudepigrapha

Includes historical, poetic, prophetic books; Jubilees, Jewish apocalypses, Testaments

229.92-.95

PSEUDEPIGRAPHA OR APOCRYPHA OF NEW TESTAMENT

- .92 **Pseudepigrapha of Acts of Apostles**
- 229.93 **Pseudepigrapha of Epistles**
- .94 **Pseudepigrapha of New Testament Apocalypses**
- .95 **Other New Testament Pseudepigrapha**
 Includes Sayings of Jesus

230 SYSTEMATIC OR DOCTRINAL THEOLOGY

Organization and expounding of doctrines of Christianity, variously called dogmatic theology, dogmatics

May be divided by denomination like 280–289, e.g. Baptist theology, 230.6

For Philosophy of nature in religion, see 210; Denominations and sects, 280; Specific doctrines, the subject, e.g. salvation by grace, 234.1; Heresies, 270.1–8

231 GOD

Includes God as revealed in Bible; divine attributes (omniscience, omnipresence, omnipotence); divine love and wisdom

.3 Trinity

Doctrine of God (Father, Son and Holy Ghost)

.7 Revelation

Disclosure to men of divine purpose or superhuman knowledge, generally in ways beyond human understanding

Includes miracles, miraculous places, objects (relics, statues, images) vision and appearing of God; Stigmata

For Saints, see 235.2

.8 Theodicy

Vindication of God's justice and goodness in permitting existence of evil and suffer

For Sin, see 233.2; Angels and devils, 235; Heaven and hell, 237.4–5

232 CHRISTOLOGY

Doctrinal exposition of nature of Jesus Christ and his redemptive work

.1 Incarnation, Messianic Christology

Includes prophecies of coming of Christ; virgin birth

For Prophecies on Christian eschatology, see 236

.3 Atonement

.5 Resurrection

-
- 232.6 Second Coming**
- .8 Divine Humanity**
Includes controversies over divinity of Christ
- .9 Life of Christ**
Includes teachings
For Pseudepigraphal sayings of Christ, see 229.95; Biographies of Bible characters, 220.92
- .92 Infancy**
Includes nativity, adoration of shepherds, three wise men, circumcision, massacre of innocents, flight into Egypt, retired life in Nazareth, presentation in temple, Jesus among doctors
- .93 Holy Family**
Includes Mary, Immaculate Conception, Joseph, parents of Mary: Anne and Joachim
- .95 Public Life of Christ**
Includes baptism, temptation, calling apostles, transfiguration, Lord's Supper, last words
For Miracles of Christ, see 226.7; Parables of Christ, 226.8
- .96 Passion of Christ**
Includes betrayal by Judas, trial, condemnation, crucifixion, death, burial, relics of passion, descent into hell
- .97 Resurrection and Ascension**
- .99 Legendary and Imaginative Accounts of Christ**
Includes poetry, drama, fiction
- 233 MAN**
Includes nature of man (accountability, natural and spiritual body, personality, freedom)
For Science and religion, see 215; Creation and evolution, 215; Theodicy, 231.8
- .1 Creation and Fall of Man**
Includes original sin
For Old Testament Bible stories, see 221.95

- 233.2 Sin**
Includes mortal and venial sin, sins against Holy Ghost
- .5 Soul**
- 234 SOTERIOLOGY**
Part of systematic theology dealing with salvation
Includes redemption, regeneration, repentance, obedience, justification, sanctification, predestination and freewill
For Freewill in philosophy, see 123; Will in psychology, 159
- .1 Grace**
Includes actual and sanctifying grace, merit, innate virtues, gifts of Holy Ghost
- .2 Faith**
Confidence in reality and trustworthiness of something that cannot be absolutely proved
For Authority of church, see 262
- 235 SAINTS ANGELS DEVILS**
- .2 Saints**
For Miracles, see 231.7; Martyrs, 270.1-8; Biographies of saints, 920
- .3 Angels**
- .4 Devils Satan**
- 236 ESCHATOLOGY**
End of present order on earth and establishment of that of eternity
Includes death, intermediate state (purgatory, paradise, limbo) resurrection, judgement
For Christology, see 232
- 237 FUTURE LIFE**
Includes eternity, retribution, eternal punishment
For Future life based on reason, see 218
- .2 Immortality**
- .4 Heaven**
- .5 Hell**

**238- STATEMENT OF FUNDAMENTAL
RELIGIOUS BELIEF**

Includes creeds, e.g. Apostles, Nicene, Athanasian; Confessions of faith, covenants, catechisms

May be divided like 280-289, e.g. Greek Church, 238.19

239 APOLOGETICS

Exposition of Christian doctrines intended to refute alleged errors in other systems

Includes polemics; methods of apologetics

For Exposition of Christian doctrine, see 230; Controversies over specific Christian doctrines, 231-237, e.g. Divinity of Christ, 232.8

239.1-239.9**CHRISTIANITY AND UNBELIEVERS****.1 In Apostolic Times**

Includes apologetics versus Jews (formerly classified in .2), Pagans (formerly classified in .3), Neo-Platonists (formerly classified in .4)

.2-.4. IT IS RECOMMENDED THAT Apologetics versus Jews, Pagans, Neo-Platonists BE CLASSIFIED IN 239.1**.5 Versus Deists**

Includes English and Scotch deists

.6 Versus Encyclopedists**.7 Versus Rationalists**

Includes apologetics versus agnostics

.8 Versus Materialists**.9 Versus Other Unbelievers**

Includes apologetics versus Mohammedans, Buddhists

240 DEVOTIONAL THEOLOGY

Experience of quiet confidence in communion with God
Includes books conducive to such experience

241 MORAL THEOLOGY

Christian ethics

Includes codes of Christian conduct taught by churches, e.g. faith, hope, charity, love; duties, golden rule, casuistry

For Personal religion, see 248; Catechism, 238; Ethics, 170

242 MEDITATION

Includes readings

.1 Thomas à Kempis

.2 Daily Devotions, Readings

.3 Meditations for Religious Occasions

Includes church year, Lent, retreats

.4 Consolatory Readings

Includes readings for illness, trouble, death

243 It is recommended that **EVANGELISTIC READINGS** be classified in **269**

244 STORIES ALLEGORIES SATIRES

Works designed to lead men and women toward religious way of life rather than as literature

For Bible stories, see 220.95; Fictionized life of Christ, 232.99; Literature, 800; Religious education, 268

245 HYMNOLOGY

Hymns without music, religious poems

May be divided by language like 400, e.g. collection of hymns in English, 245.2

For Psalms, see 223.5; Hymns with music, 783.9; Religious education, 268

246 CHRISTIAN SYMBOLISM

Includes use and symbolism of art in religious services and buildings; icons, altars, chancels, halos, holy water

Use as inclusive number for 246 and 247

For Religious art collections, see 704.948; Early Christian art, 709.02; Architectural design of churches, 726.5; Sacred music, 783; Non-Christian symbolism, 291.32

247 ESTHETICS IN THE CHURCH

Includes use and symbolism of sculpture, paintings, vestments, altar cloths, crucifix, incense, eucharistic vessels, fonts

For Religious sculpture, see 734; Religious painting, 755. Furniture and accessories, 749; Religious vessels, 739.2, Art needlework and tapestry, 746; Stained glass, 748.5

248 PERSONAL RELIGION

Spiritual life as an inner experience

Includes asceticism, mystical experience, abstinence, conversion, fanaticism, direct communication with God through prayer

For Ethics, see 170; Moral theology, 241; Meditation, 242, Prayer, 264.1; Salvation, 234, Fasts and holidays, 394.2; Psychology of religion, 201.6

249 FAMILY DEVOTIONS

Includes table graces

250-260 THE CHURCH

250 PASTORAL THEOLOGY

Theory and practice of church administration; function of ministers as religious leaders of parishes

For Church services, see 264; Missions, 266; Religious education, 268

251 HOMILETICS

Preparation and delivery of effective sermons; preaching

For Public worship, see 264

252 SERMONS

Includes sermons on episcopal charges; doctrine and polemics

252.01-.09 may be divided by denomination like 280, e.g.

Episcopalian sermons, 252.03

For Sermons on specific subjects, see subject, e.g. Sermons on family devotions, 249

.5 Sermons for Academic Occasions

.6 Sermons for Public Occasions

Includes Thanksgiving, Fast-days, public affairs

.7 Sermons for Ordination, Installation

.9 Memorial or Obituary Sermons

253 PASTOR

Spiritual leader of the church, variously called pastor, elder, priest, rector, preacher

Includes minister's life and everyday duties of his office

For Minister in church polity or hierarchy, see 262.14

.2 Pastoral Life

Includes qualifications, family life, celibacy

For Theological seminaries, see 207

.5 Counseling

Includes pastoral calls, pastoral psychology, visiting sick, handling individual problems

For Psychology of religion, see 201.6

254 CHURCH ADMINISTRATION

Includes program planning and financing, membership, budget and expenditures, records and office methods, buildings and equipment

For Organization, see 262

.2 Urban and Rural Church Work**.3 Radio Religious Work****.4 Public Relations****.8 Raising Money Financing Campaigns**

Includes titling, gifts, bequests

**256 It is recommended that SOCIETIES FOR PARISH
WORK be classified in 267****258 SOCIAL WELFARE WORK OF CHURCH**

Agencies and techniques in which social motive finds expression in religious groups

For Pastoral counseling, see 253; Philanthropy, 360

259 GROUP ORGANIZATIONS AND LEADERSHIP

Includes church entertainments, recreational facilities, church work with groups, e.g. children, soldiers, students, young people, adults

260 ECCLESIASTICAL THEOLOGY

Christian church institutions and services

Use as inclusive number for 250–260

261 CHRISTIAN SOCIAL THEOLOGY

Attitude and influence of Christianity on politics, social and economic conditions

Includes religious utopias

For Moral theology, see 241; Sociology of religion, 301.4; Social customs, 390; Religious history, 270

.6 Christianity and World Order

Includes war, peace, pacifism, universal nationalism, internationalism

For Peace plans and movements, see 341.1; Sociological aspects of war, 301.46

.7 Christianity and Political Order

Includes Christianity and democracy, communism

For Church and state, see 322.1

.73 Religious Liberty

For History of conflicts over religious liberty, see 270

.8 Christianity and Socio-Economic Problems

Includes marriage and family, race relations; education, religion and material welfare, living conditions, labor problems

For Marriage and family, see 301.422; racial minority groups, 301.45; Religious education, 268; Social welfare, 360; Social customs, 390

.85 Economic Order

Includes property, business, capitalism, socialism

262 CHURCH GOVERNMENT

Theory and practice of ecclesiastical organization

Includes geographic units of organization, e.g. diocese; central governing leaders, e.g. synods, council; lay bodies, e.g. congregations

For Church work, see 250; Proceedings of conventions, 280

262.1 Church Hierarchy

Ruling powers

.12 Episcopacy**.13 Papacy****.14 Clergy**

Group within church appointed and usually ordained to conduct worship, administer sacraments and carry on general work of church; variously termed orders, ministry
Includes priests, deacons, bishops

.9 Church Law

Includes courts, trials

Church law was formerly classified in 348

263 CHRISTIAN SABBATH

Includes Sunday observance

*For Judaic Sabbath, see 296.4***264 PUBLIC WORSHIP**

Includes liturgies, divine services in church, Sunday schools (formerly classified in 268), prayer meetings, conference meetings; prayer books, scripture readings, antiphonal or responsive readings, sacramentals, question of music in church services

264.01-.09 may be divided like 280, e.g. Episcopal services and liturgy, 264.03

For Creeds, see 238; Sermons, 252; Sacred music, 783; Symbolism in ecclesiology, 246-247, Fasts and holidays, 394.2

.1 Prayer*For Table graces, see 249***265 SACRAMENTS**

Established rite for administration of religious ceremonies

Includes consecration and dedication ceremonies

.1 Baptism**.2 Confirmation****.3 Eucharist**

The Lord's Supper Holy communion

265.4 Holy Orders

Ordination

.5 Marriage**.6 Penance**

Includes confession, absolution, indulgences

.7 Extreme Unction**.8 Religious Ceremonies for Sick and Dead**

For Pastoral counseling, see 253.5, Use of religion in treatment of disease, 615.85; Disposal of dead, 614.6

266 MISSIONS

Includes domestic and foreign and parish missions (formerly classified in 269)

Where interest in foreign missions lies chiefly in relation to religious history, class in 274-279

266 1-9 may be divided like 280, e.g. Roman Catholic missions, 266 2

267 RELIGIOUS ASSOCIATIONS

Includes denominational societies, local (formerly classified in 256), national and international; associations for men or women, or both

For Bible and tract societies, see 206, Missionary societies, 266, Councils and federations of churches, 280.1

.3 Young Men's Christian Associations

For Y.M.C.A., see 296 6

.5 Young Women's Christian Associations

For Y.W.C.A., see 296 6

.6 Religious Societies of Young People

Includes Christian endeavor

For Young people's societies, see 369.4

268 . RELIGIOUS EDUCATION

Religious instruction in Sunday schools, church schools, or denominational agencies

Includes administration, buildings, equipment, personnel

For Theological seminaries, see 207; Education, 370; Religious architecture, 726.4; Religious group organization and leadership, 259

.4 Organization

Includes Sunday school, weekday, vacation, nursery schools; membership, system of departments, promotion and diplomas

.6 Methods of Teaching

Includes curricula, lessons and lesson plans, manuals, visual aids

For Bible stories, see 220.95; Fictionized lives of Christ, 232.99; Religious stories, 244; Hymns, 783.9; Fasts and holidays, 394.2

.61 Special Methods

Includes methods adapted to age groups, e.g. preschool children, adolescents, youth, adults and young adults

.8 Denominational Religious Education**269 EVANGELISM**

It is recommended that Retreats be classified in 242.3; Parish; missions in 266

For Personal religion, see 248; Evangelistic revival hymns, 783.7

.2 Revivals

270-273 MOVEMENTS WITHIN CHRISTIAN CHURCH

270 CHRISTIAN CHURCH HISTORY

For History of Christian church in specific countries, see 274-279; History of specific Christian denomination, sect, or group, 280; Biblical history, 220.9; History of religion, 209

270.1-270.2 ANCIENT CHURCH

Christian church to 787 A.D.

For Collected works of early theologians, see 281.1-.4; Ancient history, 930

270.1 **Apostolic Age, to 325 A.D.**

Christ to Constantine

For History based on New Testament, see 225.95

.2 **Ecumenical Councils, 325-787 A.D.**

Period of centralization

.3 **Medieval Church**

.5 **Renaissance Church**

Includes Innocent III, papal schism, Avignon, nominalism vs realism, Greek church under Moslems, medieval dissent, Inquisition

270.6-270.8 MODERN CHURCH

Christian church from 1517

.6 **Reformation and Counter Reformation, 1517-1648**

Includes Council of Trent, Diet of Augsburg, Protestant revolt and Luther, Melancthon, Calvin, Knox, religious wars

For Reformation in specific country, see 274-279; Protestantism, 284

.7 **Peace of Westphalia to French Revolution, 1648-1789**

.8 **Modern Church, 1789-**

Age of rationalism

Includes atheism, pantheism, science and influence on Christianity; division and differentiation among Christians

-
- 271 RELIGIOUS ORDERS**
Includes monasticism, monastic foundations, monasteries
For Architecture of monasteries, see 726.7
- .1 Benedictines**
Includes Cistercians, Trappists, Olivetans
- .2 Dominicans**
- .3 Franciscans**
Includes Capuchins
- .4 Augustinians**
- .5 Jesuits**
- .7 Other Catholic Orders**
Includes Carthusians, Carmelites, Sulpicians, Christian Brothers, Oblates, Lazarists
- .8 Protestant Brotherhoods**
- .9 Sisterhoods**
Includes Catholic Sisters of Mercy, Sisters of Charity, Carmelites, Ladies of Sacred Heart, Little Sisters of Poor, Ursulines
- .98 Protestant Sisterhoods**
- 272** It is recommended that **PERSECUTIONS OF CHRISTIANS** be classified in 270.1-.8 or with country in 274-279
- 273** It is recommended that **HERESIES** be classified in 270.1-.8 or 274-279
- 274-279 HISTORY OF CHRISTIAN CHURCH IN SPECIFIC COUNTRIES**
May be divided like 940-999, e.g. history of religion in Scotland, 274.1
For Census of religions, see 312.9

280 CHRISTIAN CHURCHES AND SECTS

History Doctrine Homiletics Institutions and services
Includes church unity

It is recommended that future consolidation of denominations be classified in shortest number, e.g. uniting Protestant Episcopal church in U. S. and Presbyterian church in U. S. A., 283.73; if numbers are of equal length, use first number, e.g. unification of Congregational churches in U. S. and Disciples of Christ, 285.873

For Process of diversification and differentiation within Christian church, see 270; Church government, 262

280.1 **Ecumenical Movement**

Harmonious relations between Christian churches, denominations

For Organization of ecumenical councils, see 262; History of early ecumenical councils, 270.2

281 **PRIMITIVE CHURCHES**

Includes Oriental Christian churches (Armenian, Coptic, Abyssinian, Syrian)

For Ancient history of Christian church, see 270 1-2

281.1-289.9 **SPECIFIC CHURCHES, SECTS**

May be divided like 940-999

.1 **Apostolic Church to 1054**

Includes works of apostolic and church fathers

For Apocryphal works, see 229

.3 **Ante-Nicene, 100-325**

.4 **Post-Nicene, 325-1054**

.9 **Eastern or Greek Orthodox Church**

For History of schism between East and West, see 270.3

282 **ROMAN CATHOLIC CHURCH**

283-289 PROTESTANT SECTS

May be divided like 940-999

283 ANGLICAN CHURCH

Includes Church of England, Episcopal Church in Scotland, Church of England in other countries, Protestant Episcopal Church in America

284. PROTESTANTISM

Inclusive works on Protestant sects

For History of Protestant movement, see 270-279

.1 Lutheran Churches**.2 Reformed or Calvinistic Churches in Europe**

Includes Arminians, Remonstrants

For Huguenots, see 284.5; Reformed Church in America, 285; Calvin in church history, 270

.3 Hussites

Includes Anabaptists

.4 Waldenses and Albigenses**.5 Huguenots****.6 Moravians****.7 Scandinavians****.8 Modern Schisms in Catholic Church**

Includes Old Catholic, Jansenists

285 PRESBYTERIANISM, CONGREGATIONALISM AND REFORMED BODIES**.1 Presbyterian Church in America**

Includes Presbyterian Church of U. S. A. (North), Presbyterian Church of U. S. (South)

.2 Presbyterian Church in British Empire

- 285.7 Reformed Bodies in America**
 Includes Christian Reformed Church, Reformed Church in America, Evangelical and Reformed Church [Reformed Church in U. S. (German) and Evangelical Synod of North America]
- .8 Congregationalism**
 Includes Congregational Christian Church (Congregational and Christian Church)
- .9 Puritanism**
For Puritanism which became Congregationalism in America, see 285.8
- 286 BAPTIST CHURCHES AND OTHER
 IMMERSIONIST SECTS**
 Includes Freewill or Free Baptists, Old School or "Hard shell" Baptists, Seventh-Day Baptists
- .1 Calvinistic or Regular Baptists**
- .6 Disciples of Christ**
 Includes Campbellites, Christians
- .7 Adventist Bodies**
 Includes Seventh-Day Adventists, Church of God
- 287 METHODISM**
 Includes Wesleyan Methodists, Calvinistic Methodists
- .6 Methodist Church (America)**
 Includes Methodist Episcopal Church, Methodist Episcopal Church South and Methodist Protestant Church
- .8 Methodism Among Negroes**
 Includes African M. E. Church, Colored M. E. Church, African M. F. Zion Church
- 288 UNITARIANISM**
 Includes Socinianism
- 289 OTHER CHRISTIAN SECTS**
Universalism

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- 289.2 Will Remain Unassigned**
It is recommended that libraries specializing in literature of a sect which has not been assigned an individual number, use 289.2 permanently
- .3 Latter Day Saints**
Includes Church of Jesus Christ of Latter Day Saints; Mormons
- .4 New Church or Swedenborgianism**
- .5 Christian Science**
- .51 Authorized Works**
- .52 Unauthorized Works**
- .6 Friends**
Includes Hicksite (Liberal), Society of Friends (Orthodox)
- .7 Mennonites**
Includes Amish, Church of God in Christ
- .8 Shakers**
- .9 Other Christian Sects**
Includes Churches of God, Churches of Christ, Pentecostal Assemblies, Salvation Army, Spiritualists
- .92 Brethren**
Includes Brethren Church, Church of Brethren, Church of God, Old German Baptist Brethren, Plymouth Brethren; Dunkards
- .93 Evangelical Bodies**
Includes Evangelical United Brethren Church (Evangelical Church and Church of United Brethren in Christ)

290 NON-CHRISTIAN RELIGIONS

Founders Sacred books Doctrine

Includes comparative religion

291 COMPARATIVE MYTHIOLOGY

Includes religious topics, sacred books and sacred persons, priest-craft

For Specific mythology, see religion, e.g. Celtic mythology, 299.16; Religion in cultural anthropology, 572.7; Sociology of religion, 301.4; Folklore, 398

.2 Doctrinal Theology

Includes divinities, gods, animism, fetishism, totemism, nature-worship; animals, celestial bodies, fire, earth; worship of human beings: ancestors, dead; phallicism or sex-worship

.3 Forms of Worship

.35 Sacred Places

.37 Symbolism

Includes Swastika, cross

292 GREEK AND ROMAN RELIGION AND MYTHIOLOGY

293 TEUTONIC AND NORTHERN RELIGION AND MYTHIOLOGY

294 BUDDHISM AND BRAHMANISM

In Japan, Korea, Philippines, Malaysia, China

Includes religions deriving from them, Brahman Sacred Books (Vedas, Upanishads, Mahabharata and Bhagavadgita)

.1 Vedic Religion

.3 Buddhism

Includes Southern Buddhism

.32 Northern Buddhism (China, Japan, Korea)

Includes Lamaism (Tibet, Mongolia)

.4 Jainism

294.5 Hinduism

Changes introduced into Brahmanism 'after struggle with Buddhism

Includes Sikhism, Saktism and Brahmo-Somaj

.58 Theosophy

Cult founded by Helene Blavatsky

295 NON-SEMITIC ASIATIC RELIGIONS

Includes Iranian religions (Parsecism, Zoroastrianism, Mithraism, Mazdaism)

296 JUDAISM

For History and archeology based on Bible, see 221.9; Jewish sects of Bible times, 221.95; Christian missions to Jews, 266; Jewish minority groups, 301.45; Political status of religious groups, 323.1; Refugee problem, 325.21; Ancient Jewish history, 933; Zionism and history of modern Palestine and Israel, 956.94

.1 Bible and Other Basic Sources

Includes Midrash; Talmud (Mishna, Gemara, Halakah, Hagadah); Aboth; Responsa

For Holy Scriptures, see 221, Pentateuch or Torah, 222.1; Bible stories, 220.95; Kabbalah and Zohar, 181.3

.3 Principles Theology

Includes philosophical speculation on revelation and reason; concepts of God, universe, man, sin, atonement, salvation, angelology, eschatology; messiah, restoration, immortality; prophecies

For Prophecies concerning secular events, see 221.15, e.g. Restoration of national state of Israel; Works of Philo Judaeus, Maimonides, 181.3; Interpretation of Jesus Christ, 232.9

.38 Moral and Social Theology

Includes Jewish law, ethics; international order, democracy, religious freedom, society, marriage and family

For Ethics, see 170; Philanthropy, 360

-
- 296.4 **Services Rights**
 Includes hymns, responsive readings, Sabbath, piety; rites: cir-
 cuncision, confirmation, marriage, funeral rites
 For Legends, see 398.2
- .42 **Homiletics Sermons**
- .43 **Prayers**
 Includes prayers for special occasions, e.g. Passover, Hagadah
 For Fasts and holidays, see 394.2
- .6 **Jewish Institutions and Activities**
 Includes polity, Temple, tabernacle, synagogue, Rabbi's work,
 administration of synagogue activities, organizations including
 individual societies, religious education, e.g. Y.M.H.A. and
 Y.W.H.A.
- 297 **MOHAMMEDANISM**
 Includes Sacred Book (Koran)
- .8 **Bahaism**
- 299 **SEMITIC AND OTHER NON-CHRISTIAN
 RELIGIONS**
 May be divided like 491-499, e.g. Babylonian, 299.219, Con-
 fucianism, Taoism, 299.51; Celtic, 299.16; except as provided
 above, e.g. Chinese Buddhism, 294.32, Judaism, 296; Moham-
 medanism, 297

300 Social Sciences

Sciences which deal with social conditions, relations and institutions which are involved in man's existence and well being as a member of an organized community

For Form divisions 2-8, see p. lv; exceptions 1 and 9 follow:

301 SOCIOLOGY

Study of man in the community; of group life, customs, traditions, institutions, and ways of thinking and living

.01 Sociological Theory and Method

Includes history, concepts, methodology

.1 Social Psychology

Study of interaction: of individuals with each other, of individual and his group, and of groups with each other

For Psychology, see 150

.12 Socialization and Personality

Place of social and cultural conditioning in development and operation of personality

Includes analysis of motivation, habits, attitudes and ideas; interactional determinants of personality (identification, projection, compensation, rationalization); effect of isolation on individual

For Psychological foundation of personality, see 137

.15 Collective Behavior

Spontaneous and elementary ways by which social order comes into existence in the sense of emergence and crystallization of new forms of collective behavior

For Organized forms of collective behavior, see specific subject, e.g. Customs, 390; Conventions, 301.152; Institutions and social organization, 301.4

301.152

Social Control

Use of overt force (censorship, fines, banishment, imprisonment, physical punishment, torture, death) and symbolic means (propaganda, advertising, indoctrination, insignia, honors, awards, satire, censure) to enforce or bring about prescribed or expected rules or actions

Includes informal controls of conventions, mores and public opinion (formerly classified in .154)

For Formal controls, see subject, e.g. Law, 340; Controls within labor groups, 331; Controls in economic production, 338; Controls within professions, the profession

.153

Social Movements

Collective enterprise to establish new order of life, arising in unrest and motivated both by dissatisfaction and hopes for a new scheme

Includes general social movements, e.g. labor, youth, peace movements; specific social movements, e.g. reform and revolutionary movements; expressive movements, e.g. religious and fashion movements

.154

It is recommended that **Public Opinion** be classified in 301.152

.155

Leadership

.158

Elementary Collective Groupings

Formation	Characteristics	Behavior
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Includes crowds (casual, e.g. street crowds watching a performer; conventionalized, e.g. spectators at baseball games, expressive, e.g. carnival, dancing crowds of primitive sects; acting or psychological, e.g. lynching mob); mass; public

301.2 Culture and Social Change

Culture is totality of man's techniques, customs, traditions, institutions, values, and ways of interpreting world of nature and man

Includes cultural traits, patterns, complexes, larger units such as universal and total culture patterns; variability because of geographic isolation; varied adjustments to different kinds of climate, topography and resources; crises of disasters such as flood, fire, epidemic, war

For Cultural anthropology, see 572.7

.23 Social-cultural Processes

Includes socialization or enculturation, opposition (competition and conflict), cooperation, differentiation, and specialized forms (stratification, accommodation and assimilation or acculturation)

These processes were formerly classified in 301.1532-6

.24 Social-cultural Change

Includes theory of degeneration (Hesiod), flux or cyclic change (Plato, Aristotle, Spengler, Toynbee), genetic development (Darwin) and progress (doctrine of Western world)

For Social-cultural planning, see 309.2

.243 Processes of Social-Cultural Change

Invention or discovery Diffusion

Includes effects of technology, mass communication on culture

.3 Human Ecology

Study of population. composition, growth, decline, movement

Includes ecological processes of invasion, succession, specialization, centralization

For Demography or statistics of population, see 312; Human geography, 911; Race, 572; Migration, 325

301.32**Population**

Both number of inhabitants and processes of immigration, colonization, settlement and natural increase or decrease

Includes problem of numbers, e.g. balance between numbers of population and sustenance; theories of Malthus and his successors (formerly classified in 312.1)

For Political aspect of migration and colonization, see 325; Statistical approach to population (census, vital statistics), 312

.323**Composition of Population**

Includes problems of an aging population, differentials in birth and death rates, selection and quality of population by means of negative eugenics (elimination of unfit by segregation, sterilization, contraception) and positive eugenics (reproduction by superior stock)
Eugenics was formerly classified in 575.1

For Genetics, see 575; Vital statistics, 312

301.35-301.37 ECOLOGICAL ORGANIZATION**.35****Rural Community**

Analysis of rural society and culture

Includes open country village or towncentered, agricultural village and plantation types of community; changes due to commercialization and mechanization of farming; interaction; differences between rural and urban life

.36**Urban Community**

Ecology, organizations and institutions, and distinctive interactional features and future trends of the modern city

Includes suburbs

.37**Regions**

Includes metropolitan districts, intranational regions (geographic, political, economic basis)

For Planning, see 309.2

-
- 301.4 Social Organization and Institutions**
Includes political, economic, industrial and religious sociology, social disorganization or pathology
For Anthropology, see 572; Educational sociology, 370.19
- .42 Family**
- .422 Nature and Forms of Marriage**
Includes monogamy, polygamy, polyandry, companionate marriage; marriage prohibitions
- .423 Family and Social Order**
Includes effects of industrialization, urbanization, war upon family
- .424 Variations in Sex Life Outside Marriage Relationship**
Includes pre-marital relations, prostitution, homo-sexuality
- .425 Courtship Behavior and Mate Selection**
For Human genetics, see 613.9
- .426 Husband-wife Relationship**
Includes preparation for marriage; elements of successful marriage; marriage counseling; planned parenthood
For Sex instruction, see 612.6; Birth control, 612.3
- .427 Parent-child Relationship**
For Child care, see 649.1; Child psychology, 136.7
- .428 Family Dissolution**
Includes divorce
For Divorce as problem of social disorganization, see 301.46
- .43 Voluntary Associations**
Includes special interest groups
- .44 Social Stratification and Social Status**
Includes socio-economic groups, e.g. aristocracy, bourgeoisie, proletariat

301.45

Ethnic Groups

Includes racial minorities, e.g. Negroes, Indians; socio-religious groups, e.g. Jews, social groupings and minority groups within a nation

For Anthropology, see 572; Colonization of specific countries, 325.4-.9

.46

Social Disorganization

Includes social problems caused by population maladjustment (over-population, distribution problems, e.g. rural-urban relationship, composition), by physical and mental disabilities (mental deficiency, mental disease); by economic maladjustment (unemployment, insecurity and old age, industrial accidents and occupational diseases, long hours and low wages, women and children in industry, labor groups); by cultural maladjustments (problems of culture contact, e.g. racial conflict, assimilation of racial and national groups); family disorganization, child welfare, crime, juvenile delinquency, war, suicide, decline of church

For Specific problem, see subject, e.g. Population maladjustment, 301.32; Economic maladjustment, 331; Cultural contact, 301.2; Family disorganization, 301.42; Child welfare, 362.7; Crime, 364; Juvenile delinquency, 364.3; War, 341; Social planning, 309.2

309

HISTORY OF SOCIAL SCIENCES

.1

Social Surveys

.2

Planning

Includes comprehensive works on social and economic planning

For Planning in specific fields, see subject, e.g. City planning: Housing, 711.5; Social security, 368.4; Conservation of natural resources, 333.72; Agricultural production planning, 338.1; Economic policy or planning, 338.9

.22

International Coordination and Planning

For International cooperation, see 341; International relations, 327

309.23	National Planning
.24	Regional Planning Planning on a geographic basis, c.g. T.V.A.
.25	State Planning

310 STATISTICS

Classification and frequency of occurrence of different kinds of things or different attributes of things as basis for induction and inference

For Application to specific subjects (except population), see subjects, e.g. Social surveys, 309.1; Vital statistics, 312; Statistics of specific countries, 314-319; Form divisions .1-9, p. lv

311

STATISTICAL METHOD

Includes preparation of schedules, survey methods, tabulation, presentation (graphs, charts)

For Statistical method for specific subjects (except population), see subjects, e.g. Tabulation of statistical data in educational research, 370.78

.2

Mathematical Statistics

Includes design of experiment, sampling design, statistical control of quality

Where interest in mathematical statistics lies chiefly in mathematics, class in 519.9

312

DEMOGRAPHY

Statistical study and analysis of state and movement of human population inclusive of census enumeration, registration of vital processes and of whatever quantitative statistical analysis can be made on these bases

For Migration and settlement, see 325; Population theories and problems, 301.3

.1

Births and Birth Rates

Statistics and analyses of reported births

Includes registration of births; differentials in fertility and birth rates as shown in census reports and vital statistics

It is recommended that Limitation of birth rate, Malthusian theory be classified in 301.32

.2

Deaths and Death Rates

Statistics and analyses of deaths

Includes statistics of death due to specific causes

For Mortality and survival tables, see 368.3

312.5 Marriage and Divorce Statistics and Rates

Statistics and analyses

.8 Population Mobility

Statistics and analyses of increase, decrease, movement of population

*For Problems of increase or decrease of population, see 301.32***.9 Distribution and Characteristics of Population**

Statistics and analyses of population by age, sex, nationality, race, religion, education

314-319 GEOGRAPHIC STATISTICS

Includes only statistics too general to be classified with their subjects, e.g. Statistics of New York, 317.47

*For Geographic statistics applied to specific subject, see subject, e.g. Medical statistics of New York, 610
May be divided like 940-999*

320 POLITICAL SCIENCE

Theory Organization

State is politically organized body of people possessing both external and internal sovereignty, expressing its will by means of the agency of government

Includes politics

For Law, see 340; Public administration, 350; Political history, 900, Judicial branch of government, 347.9; Executive branch of government, 353; Political sociology, 301.4; Form divisions .2-.8, p. Iv, exceptions in .1 and .9 follow:

320.1 Political Theory

Theory of origin, form, behavior and purpose of state

Includes distribution of peoples, ethnical unity; size, position and geographical unity of territory; frontiers and boundaries, acquisition and loss of territory; geo-politics

It is recommended that Nationalism be classified in 321.8
For Functions of government, see 322; Demography, 312

.15 Origin and Nature of State

Theories of origin, e.g. divine right, juridical, organismic, social contract, historical or evolutionary

.157 Sovereignty

Nature Location

Power of state: state is independent of compulsion or interference from other states, and absolute in authority over all individuals or associations of individuals within state

.158 Unity

Includes allegiance, loyalty, patriotism

For Group unity, see 301.15, Symbols of patriotism, 929.8-.9

320.9 History of Political Science and Theory

Includes comparative government and descriptions of specific governments; civics

May be divided like 930-999, e.g. U. S. Government, 320.973

For Government of United Nations, see 341.13; Local government, 352; Political history, 900; Executive government, 353-354

321 FORM OF STATE AND GOVERNMENT

Includes development of national state, e.g. patriarchal family, gens, clans, Oriental empire, Greek city state, Roman world empire, feudal state

It is recommended that Political uprisings be classified in 323.2; Non-selfgoverning territories, 325.3; Forms of government for colonies, 325.31; Empire, 325.3-9. Forms of international organization, 341.1

For Comparative government and descriptions of individual governments, see 320.9; Political history, 900; Anthropological studies of primitive organizations, 572.7

.01 Representative and Non-representative Government

Includes relationship between executive, legislative and judicial branches; comparison of powers between branches (formerly classified in 353-354)

For Legislative branch, see 328.3; Judicial branch, 347.9, Executive branch, 353-354

.02 Unitary and Federal Government

Includes powers distributed between national government and various degrees of local government; centralization and decentralization of powers

For Administration of local government, see 352

.021 Federal State

Form of state in which separate units, retaining their government and control over certain internal interests, relinquish or lose sovereignty and exist as component units of a single state

Includes federal-commonwealth relations; admission of commonwealth to union; doctrine of "state rights"

For Admission of commonwealth to United States, see 973

321.04 World State**.07 Ideal State**

Utopias

For Economic aspects of utopias, see 335

.09 Change of Form of State

It is recommended that Coups d'état and revolutions be classified in 323.2

.46 Absolutism

Includes national states not based on support of people, e.g. dictatorship, absolute monarchy

It is recommended that Modern dictatorship be classified in 321.85

.8 National State

Includes national states based on support of people; nationalism

.82 Democracy

Representative democracy Republic

.83 Socialism

For Economic aspects of socialism, see 335; Utopias, 321.07; Socialist parties, 329.8-.9

.84 Communism

For Economic aspects of communism, see 335.4; Communist parties, 329.8-.9

.85 Fascism

Includes Nazism, Falangism

Fascism was formerly classified in 321.6

For Economic aspects of Fascism, see 335.6

322 PROVINCE AND FUNCTION OF STATE AND GOVERNMENT

Includes trends in separation of politics from some institutions and increasing governmental responsibility in others; functions not interfering with private enterprise; functions competing with private enterprise

Use as inclusive number for 322 and 323

For Diplomatic functions, see 327; Military functions, 355; State and education, 379; Taxation, 336.2; Economic and social planning, 309.2; State and business, 338.9

.1 Church and State

For Attitude and effect of church on political order, see 261.7

323 RELATIONS OF STATE TO INDIVIDUALS OR GROUPS

Protection of individuals and groups against encroachment on part of state government; and by state government, against encroachment by other individuals or groups

For Political liberty, see 323.44; Political parties, 329; Crimes against state, 364.13

.1 Nationalities, Races, and Religious Groups

Political problems based on social and cultural interests involving groups

For International migration and colonization, see 325; Public policy toward aliens, 325.1; Sociological aspects of minority groups, 301.45; Nationalism, 321.8

.2 Political Struggles

Includes revolutions, revolts, riots, subversive activities

Coups d'état and revolutions were formerly classified in 321

For International law of civil war, see 341.39, Crimes against state, 364.13; Martial law, 355.9

.3 Hereditary and Economic Classes

Problems involving recognition of rights within state

Includes nobility, aristocracy, upper middle, lower middle class, bourgeois, laborers, proletariat, peasantry

For Economic problems of laborers, see 331

323.35

Communities

Includes urban, suburban and rural

For Local government, see 352; Sociological aspects of communities, 301.35-.37; City planning, 711

.4**State and Individual**

Includes doctrine of natural rights or legal immunities of individuals which in a democratic state the state protects against interference, e.g. life, equality, pursuit of happiness, freedom from want, rights of assembly and of petition, property; limitation and suspension of civil liberties

.44**Liberty**

Includes freedom of speech, religion, press, conscience, drama, art, academic freedom

For National liberty, or external sovereignty, see 320.157; Freedom and censorship of specific activities, the subject, e.g. Press, 070 13; Movies and radio, 792.93-.95

.6**Citizenship**

For Civics, see 320.9; Political liberty, 324; Dual citizenship in international law, 341.51

.61**Laws**

May be divided by country like 930-999, e.g. citizenship laws of Brazil, 323.6191

.62**Naturalization****.67****Alien Privileges**

Includes passports

For Aliens in international law, see 341.51; Regulation and control of aliens, 325.1

324**ELECTIONS AND SUFFRAGE**

Includes electorate as branch of government, e.g. powers demonstrated in party platforms, policies determined in initiative and referendum

*For Public opinion polls, see 301.152; Party platforms and policies, 329; Initiative and referendum,*328*

- 324.1 Suffrage**
Includes qualifications (age, sex, citizenship, residence, property, mental and moral, poll tax); movement for national ballots for qualified voters without permanent local residence
For Woman suffrage, see 324.3
- .2 Elections**
- .21 Voting Systems**
Includes plural (weighted or differential) and compulsory voting
- .22 Basis of Representation**
Includes functional, minority and proportional representation
For Legislative bodies and basis of representation, see 328.33
- .23 Nomination of Candidates**
Includes party conferences, caucus, direct primary, platform
- .24 Voting Procedure**
Includes registration; conduct and voting procedure, e.g. hours, polls, judges, clerks, secret ballot, certification of votes; absentee voting; voting procedure of electoral college
- .25 Ballot**
Includes short ballot, Australian system, second ballot, voting machines
- .27 Corrupt Practices**
Includes bribery, false registration and voting
For Corrupt practices in party politics, see 329; Contested seats in legislative bodies, 328.33; Crimes against state, 364.13
- .3 Woman Suffrage**
For Woman's position, see 396; Woman suffrage party of U. S., 329.8
- .4-.9 Suffrage and Election by Country**
May be divided like 940-999, e.g. Suffrage and elections in India, 324.54

325 INTERNATIONAL MIGRATION AND COLONIZATION

'Transference of residence from one country to another

For Demography, see 312; Domestic population policy, 301.32; Agricultural colonization, 333.76; Mobility and distribution of labor, 331.11; Migratory labor, 331.67

.1 Immigration

Policies Regulation Administration

Entrance into country to establish permanent residence or obtain employment

Includes official organization of immigrant service, treatment of immigrants; inspection, registration, fees, policy (restriction, exclusion, selection, quota systems)

For Immigration to special countries, see 325.4-.9; Alien privileges and passports, 323.67, Relations between state and minority groups within country, 323.1; Sociological aspects of minority groups, 301.45

.2 Emigration

Departure from one country or region to settle and reside in another

Includes emigration policy

.21 Promotion and Assistance

Includes transfer of population; displaced persons, refugees from viewpoint of immigration and emigration

For World War II refugees, see 940.531

.24-.29 Emigration and Emigration Policy of Specific Countries

May be divided like 930-999, e.g. Chinese emigrants, 325.251

For Relations between state and minority groups within nation, see 323.1; Sociological aspects of minority groups, 301.45

325.3 Colonization

Occupation and permanent settlement of territory by nationals of state under political control of that state; sometimes loosely used as extension of sovereignty by imperialist power over peoples and lands of weaker countries

Includes non-selfgoverning territories, spheres of influence; colonial empire

For Political history of empires and of specific colonies, see 930-999

.31 Colonial Government

Organization Administration

Includes international control (mandate and trusteeship control)

.33-.39 Colonization by Specific Countries

May be divided by nation controlling colonies like 930-999
e.g. British Empire, 325.342

.4-.9 Colonization of Specific Countries

May be divided like 940-999, e.g. Immigration and colonization of Alaska, 325.798

326 SLAVERY

Includes serfdom, slave trade, antislavery and proslavery documents, emancipation

It is recommended that Socio-economic aspect of Negro problem be classified in 301.45

For U. S. Civil War, see 973.7

.9 History of Slavery**327 INTERNATIONAL RELATIONS**

International relations deal with what has been done or what is proposed to be done in given situations

Includes foreign policy

May be used as inclusive number for 327 and 341

For Diplomatic history, see 930-999, e.g. Diplomatic history of France, 944; International law (what ought to be done or not done), 341; International organization and world peace, 341.1; International law of diplomatic service, 341.7; Executive powers, 353.03; 354; Legislative powers, 328.34; Specific treaties, history of country, e.g. Treaty of Paris, 973.32

327.3-.9 International Relations of Specific Countries

May be divided like 930-999

*For Diplomatic history of specific countries, see 930-999;
Geopolitics, 320.1; Nationalism, 321.8*

328 LEGISLATION

Includes uniform laws, direct legislation (referendum, initiative)

For Law, see 340

.1 Parliamentary Law**.3 Legislative Bodies**

Legislative branch of government

Includes sessions, their frequency, length and types; upper and lower chambers

For Sessions law, see 345.1, 346, 349

.33 Membership

Includes qualification, compensation, tenure, methods of selection, seating of new members, contested seats, legislative mandate or freedom of representation, apportionment of seats on geographic, functional, proportional bases, representation of minority parties, electoral districts, voting privilege, reapportionment reforms (Gerrymandering)

.34 Powers

Includes defined and implied powers, e.g. powers to investigate, powers to formulate statute law, to amend constitution, to control revenue and appropriations, to share responsibility in making treaties, and miscellaneous functions, e.g. power to judge elections, to investigate or punish members; privileges and immunities, prerogatives

.36 Organization

Includes procedure in suspension and investigation of members and in cases of impeachment, appointment and election of officers; organization of committees, subcommittees, and commissions; party officers, committees and party discipline; lobbying

*For Parliamentary law, see 328.1; Legislative manuals, 08
under 328.4-.9; Party politics, 329*

328.37

Procedure

Includes petitions, addresses, joint resolutions, local and private legislation, legislative reference service, bills (technique in bill drafting, readings, calendars, vote taking)

.39

Types of Legislative Bodies

Includes unicameral, bicameral

.4-.9

Legislative Bodies of Countries

May be divided like 940-999, and further divided 01 journals 02 debates 03 abstracts 04 documents 05 rules 08 legislative manuals 09 history An exception may be made for U S and its component units by omitting 0, e.g. History of U S congress 325.739, N Y (state) legislative manual, 325.7475 1 or other nations 0 is in some cases needed to avoid conflicting numbers, e.g. unless 0 is used, 325.469 could mean either legislative bodies in Portugal or history of legislative bodies in Spain

329

POLITICAL PARTIES

Organization Campaign methods Conventions Functions

Includes party politics

1 or 1 sections see 324 Nomination of candidates 324.23, Political history 900

01

U. S. Presidential Campaign Documents of All Parties

.02

Political Machines

Includes bosses

For Political sociology see 301.4

.1

Federalist

.3

Democratic

Includes Republican Democratic or Jeffersonian Republican party

.4

Whigs

.5

American or Know-nothing

Includes Native Americanism

329.6

Republican

Includes liberal Republican movements, e.g. Progressive party of 1912

.8

Other U. S. Parties and Political Clubs

Includes Prohibition, Greenback, Woman suffrage, People's (Populist), Socialist, Labor, Communist political societies (formerly classified in 363)

.9

Parties in Other Countries

May be divided like 940-999, e.g. Political parties in France, 329.944

330 ECONOMICS

Study of problems men face in their attempts to satisfy their wants in a world of scarcity

For Form divisions .2-.8, see p. lv; exceptions in .1 and .9 follow:

330.1 Economic Theory

Includes capitalism and free enterprise

For Theories of specific aspects of economics, see subject, e.g. Marginal utility in price determination, 338.522; Collectivistic systems of government, 335

.15 Schools of Economic Thought

Includes theories of Mercantilists, Physiocrats, Classicists (Adam Smith, Malthus), Historical school, Social economists (Marx), Socio-ethical school, American Institutionalism, Keynesian economics

.18 Methodology of Economics

.9 Comparative Economic Systems

Includes economic history

331 LABOR AND LABOR PROBLEMS

Those who work or wish to work for wages, and problems arising out of conflict between employer and employee over division and control of the product of industry

Includes government regulation of labor

For Form divisions 01-09, see p. lv

.1 Employment and Unemployment

Includes security, insecurity, discrimination

It is recommended that Collective bargaining be classified in 331.891

For Personnel management, see 658.3

.11 Labor Market

Interaction of labor supply (total number of workers of various grades available) and demand (classes of jobs offered by employers)

.112 Labor Supply

- 331.115 Labor Demand**
For Distribution of population see 312.9 Migration 325
- 13 Unemployment**
Causes Effect Incidence
 Unemployment is involuntary idleness of those who are able to work and are looking for work
 Includes cyclical unemployment caused by depressions seasonal unemployment technological unemployment caused by new machines and processes
- 137 Remedies for Unemployment**
 Includes methods used by unions employers and government to prevent and relieve unemployment e.g. union benefit plans severance wages unemployment benefits work relief
For Unemployment insurance see 366.44 Vocational education 371.426
- .15 Industrial Relations**
 Includes industrial democracy cooperative management
For Labor unions see 331.98 Industrial disputes and weapons of labor 331.89 Management 655
- 153** It is recommended that **Conciliation** be classified in 331.899
- 154** It is recommended that **Mediation** be classified in 331.899
- 155** It is recommended that **Arbitration** be classified in 331.899
- .2 Wages and Income**
 Remuneration of production employees and office workers in all industries
For Salaries of teachers see 371.16 Other specific professions the profession Wages and forced labor 331.5
- .21 Determination of Wages and Income**
 Includes wage theories (subsistence wages fund marginal productivity bargaining) fixing wages rates (degree of competition and bargaining strength)

- 331.215 Adequacy of Wages and Income of Workers**
 In terms of meeting absolute standards of economic well being and in comparison with income of other economic classes
For Standards of living, see 339.42
- .22 Wage Rates**
 Amount of money paid per hour, week or piece of output for various occupations on labor market
 Includes extra pay, bonus, subsidies; extra pay for overtime, nights and holidays, guaranteed wage, portal to portal pay
For Use of incentive wage systems by management, see 658.32
- .25 Welfare Remedies to Combat Low Wages**
 Pensions, pension trusts
- .253** It is recommended that **Group Insurance** be classified in 368
- .254** It is recommended that **Social Insurance** be classified in 368.4
- .26 Legislative Remedies to Combat Low Wages**
- .28 Statistics and Facts of Wages in Industries**
- .29 Statistics and Facts of Labor in Specific Countries**

331.3-331.6 PROBLEMS OF SUBSTANDARD WORKERS

- | | <i>Wages</i> | <i>Hours</i> | <i>Working conditions</i> | <i>Effects</i> | <i>Remedies</i> |
|------------|---|--------------|---------------------------|----------------|-----------------|
| .3 | Children in Industry | | | | |
| .4 | Women in Industry
Includes women and children, unless children are emphasized | | | | |
| .5 | Compulsory Labor
Includes contract labor
<i>For Convict labor, see 365.65, Slavery and serfdom, 326</i> | | | | |
| .59 | Handicapped and Disabled
<i>For Vocational rehabilitation or training of handicapped and disabled, see 371.91</i> | | | | |

331 6 Other Substandard Workers**62 Immigrant Workers****63 Negro Workers****66 Southern Workers****67 Casual migratory Workers**

Those who have no steady occupation who shift from place to place to meet a highly seasonal fluctuating demand
 Migrant workers was formerly classified in 331 796

Laborers in Specific Occupations or Industries

706 It is recommended that **Migrant Workers** be classified in 331 67

8 Other Problems of Workers**81 Hours and Work Periods**

Length of working day and week Vacations Holidays
 Leaves

Includes overtime night work Sunday work shift system
 rest periods work schedules in specific industries and countries

82 Physical Risks

Includes sickness and industrial fatigue

For Unemployment as result of physical and other risks
 see 331 13 Social insurance for industrial risks 368 41
 Industrial medicine 614 85 Industrial fatigue is problem
 of factory management 625 34

.822 Occupational Diseases

Causes Incidence Effects

For Industrial hygiene and medicine see 614 85

823 Industrial Accidents

Causes Incidence Effects

Includes safety devices

For Mining hazards see 622 5, Industrial medicine
 614 85

- 331.825 Employer's Liability Workmen's Compensation**
For Workmen's compensation insurance, see 368.41
- .83 Living Conditions and Recreation**
Health, welfare, and recreational facilities for employees instituted by employers or unions, industrial welfare, industrial social work
It is recommended that Technical guides to management dealing with specific aspects of welfare be classified with subject, e.g. Food and cookery, 641; Cafeterias and restaurants, 647.95; Clothing, 646.3
- .831 Cost of Living Workmen's Budgets**
It is recommended that Cost and standard of living be classified in 339.42, and Standard of living in relation to wages and income, 331.21
- .833 Housing**
For Architecture, see 720; Low cost or low rental housing in city planning, 711.58
- .85 Intellectual Life**
It is recommended that Education be classified in 374, Continuation schools, 374.9; Workman's libraries, 027.64; Social group work, 361.4
- .86 It is recommended that Industrial Rehabilitation be classified in 371.91; Industrial Education, 371.426; Training of Supervisors and Foremen, 658.386**
- .88 Organization of Workers**
Unions: Labor, Craft, Industrial, Amalgamated Craft Federations
Includes jurisdictional disputes for control of a given kind of work, membership or territory, craft vs. industrial unionism, conservative vs. revolutionary unionism
- .881 Unions of Specific Crafts, Industries or Services**
Includes A. F. of L., C. I. O., Railway Brotherhoods
- .89 Union Methods of Gaining Results**

- 331.891 Collective Bargaining**
 Negotiation and settlement of terms of employment between employers and organized workers
 Includes making, interpretation and enforcement of agreements
 Collective bargaining was formerly classified in 331.1
- .892 Strikes**
 In specific industries, crafts or services and in specific countries
- .893 Other Union Methods**
 Includes welfare programs, publicity, legislative and political programs
- .899 Mediation Arbitration Conciliation**
 Mediation was formerly classified in 331.154; Arbitration, in 331.155; Conciliation in 331.153
- .9 Other Labor Problems**
- 332 MONEY, CREDIT AND BANKING**
 Includes investment and speculation, foreign exchange
For Public finance, see 336
- .1 Banking and Commercial Credit**
 Organization Function Operation Regulation
 Banking entails receipt of deposits, loan and discount, note issue
 Commercial credit is generally a short-term loan extended to assist in business operations
 Includes the money market, time deposits
- .11 Central Banking**
 Banks which issue currency, act as fiscal agents of government, are custodians of reserves and regulate the volume of currency and credit
 Includes Federal Reserve System, "monetary management"
- .14 Trust Companies**
 It is recommended that Investment banking be classified in 332.66

-
- 332.15 International Banking**
Banking conducted either by international banks or by banks of nations by means of agreement with one another or with their respective governments
Includes facilitation of international trade and payments; loans for industrial development, for currency stabilization
For Foreign exchange, see 332.45; Credit instruments, 332.77
- .2 Savings Banks and Savings Deposits**
Management Regulation
For Investment practices, see 332.67; Interest, 332.8; Deposit insurance, 368.85
- .22 Postal Savings**
- .23 School Savings**
- .3 Special Banking and Credit Fields**
Legislation Regulation
Includes government agencies (Reconstruction Finance Corporation), cooperative credit (formerly classified in 334.2), mortgage companies
For Commercial loans, see 332.1; Loans for specific purposes, 332.31-.35; Credit principles, 332.7
- .31 Agricultural Banking and Credit**
Includes Farm Credit Administration (federal land banks, joint stock land banks, federal intermediate credit banks, Production Credit Corporation, and Central bank for Co-operatives)
Agricultural cooperative banking was formerly classified in 334.23
- .315** It is recommended that **Morris Plan Banks** be classified in **332.35**
- .316** It is recommended that **Personal Finance Companies** be classified in **332.35**

- 332.32 Real Estate Banking and Credit**
Includes Federal Home Loan Administration Federal Housing Administration Public Housing Authority Federal National Mortgage Association building and loan associations
- .35 Consumer Banking and Credit Small loans**
Laws Regulation
Includes sales finance companies personal finance companies (formerly classified in 332.316) credit unions (formerly classified in 334.2) personal loan departments of savings banks Morris Plan banks (formerly classified in 332.315) charge accounts and installment buying
- .36 Interbank Lending**
- .4 Money**
Medium of exchange and standard of value
Includes coinage mints and mint practices
For Paper money see 332.5 Counterfeiting 332.9 Numismatics 737.4
- .401 Theory of Money**
- 41 Money and Prices**
Relationship between monetary value and trends and prices
Includes valuation recession inflation deflation
For Prices see 335.5 Business cycles 335.54 Controlled currency 337.5
- 42 Monetary Standards**
Medium chosen by government or accepted by society as basis for monetary system
Includes bimetallicism monometallicism
For Standards policies of monetary systems in specific countries see 332.49
- .43 International Monetary Standards**
Includes international monetary conferences and agreements
For International currency stabilization see 332.15

-
- 332.45 Foreign Exchange**
Includes rates of exchange, arbitrage, control, exchange equalization account, pegging
- .49 Monetary Systems and Standards of Specific Countries**
- .5 Paper Money**
Credit paper currency Fiat money Representative paper money
Includes controlled currency
For Fiat money in public debt, see 336.3; Greenback party, 329.8; Credit instruments, 332.77
- .6 Securities and Security Markets**
For Public borrowing, see 336.3; Commercial or term loans, 332.1
- .61 Organized Financial Exchanges**
Includes stock exchange, curb exchange organized for purpose of resale of stocks and bonds
For Organized exchanges as economic markets, see 338.522
- .62 Brokers and Dealers in Securities**
- .63 Securities**
Analysis and valuation of specific issues of stocks and bonds
Includes computation of yield, value, dividends, and earnings of specific issues
For Investors' manuals or techniques of trading or investing, see 332.67
- .64 Exchange Operations**
Includes margin trading, short selling, market manipulation, speculation
- .65 International Exchange Operations**

332.66

Investment Banking

Function Types

Provision by private investment houses, investment affiliates of commercial banks, mortgage banks, investment trusts, brokerage houses of long-term loans to business
Includes originating, underwriting, purchase and resale of new issues of transferable government and corporation securities

Investment banking was formerly classified in 332.14

.67

Investment Practices and Techniques

Practical works for the layman on techniques of trading and investing in securities

Includes guides, manuals, investment services information, forecasting and formula plans (Vassar and Yale)

For Information about specific securities, see 332.63; Regulation and protection of the investor, 332.6

.7

Credit

Theory Instruments Operations

For Forms or types of credit, see 332.3, Public credit, 336.3; International credit, 332.15

.71-.74

It is recommended that **Forms of Credit: Agricultural, Real Estate, Consumer** be classified in 332.3-.35

.75

Bankruptcy

.76

It is recommended that **Deposit Transfer Instruments, e.g. Checks, Money Orders** be classified in 332.77

.77

Credit Instruments

Includes promises to pay (notes, acceptances), orders to pay (bills of exchange, letters of credit); checks, and money orders (formerly classified in 332.76)

.8

Interest

Rates

Includes usury

.9

Counterfeiting

Includes currency, securities, and credit instruments forgery

333 LAND ECONOMICS

Consideration of land or natural resources both as an economic factor and a commodity
Includes real estate business

For Form divisions .01-.09, see p. h; Production, 338; National wealth, 339; Agriculture, 630

.1 Public Land

History Law Policies Acquisition

Land over which government exercises sole right of control

For Specific classes of public land, see class, e.g. Public grazing lands, 333.74

.2 Common Land

Land over which each member of an association exercises equal rights of control

.3 Private Land

Land over which individual exercises sole right of control
Includes question of large vs. small holdings, types of private ownership, e.g. individual, corporation; public control of private rights

For Economic and industrial sociology, see 301.46

.32 Tenure**.33 Real Estate Business**

Functions Operations

Includes sale and transfer of rural and urban land and whatever is part of it or on it, e.g. trees, water, minerals, houses, renting; negotiations for financing; management of real estate

For Economic question of rent, see 333.5; Regulation and control 333.7; Management of buildings from housekeeping viewpoint, 647.9

.332 Valuation of Land

Includes appraisal, land booms

.34 Land Transfer

Includes registration of title, deed; transfer of title or deed without registration

333.38 Land Subdivision and Building**.5 Economics of Rent**

Includes rental systems, landlordism, agricultural rent, urban rent (formerly classified in 333.6)

.6 It is recommended that Urban Rent be classified in .5**.7 Land Resources Utilization**

Classification Scientific planning Control

Settlement policies

Includes public and private land resources, Agrarian movements, marginal and sub marginal lands

For Forest policy, see 634.925

.72 Conservation of Land Resources

Policy of conserving forest, mineral, agricultural land by creating public domain, stimulation of settlement of less desirable land by irrigation, drainage, encouragement of farm ownership rather than tenancy, regulation of removal of natural resources

Includes conservation of national resources (formerly classified in 339.49)

For Practices, see subject, e.g. erosion control by contour planting, 631.45

.73 Waste Land Resources

Includes arid and semi arid lands

.74 Pasture and Grazing Land Resources**.75 Forest and Woodland Resources**

For Forest policy, see 634.925

.76 Agricultural Land Resources

Includes land used for crops and farmsteads

.77 Urban Land Resources

Growth Classification

Includes economic principles of city planning, control of character of growth by legislation and zoning, land used for commercial, industrial and residential purposes

For Physical planning and designing of cities, see 711, Housing, 711.59

333.78 Recreational Land Resources

Includes conservation of wild life

For Administration and planning, see 712.54

.8 Mineral Land Resources

For Mining, see 622; Economic geology, 553

.9 Other Resources Utilization

Includes air and air rights

.91 Water Resources

Water resources utilization for consumption, navigation, power, irrigation

Includes water rights, land under water

334 COOPERATION

Purpose Value Organization

Includes friendly societies, benefit societies, and associations which aim to provide commodities and services at cost to members of the societies

For Cooperatives engaged in specific enterprise, see subject, e.g. Rural electrification, 338.39, Production and marketing, 338; Form divisions .01-.09, p. lv

.1 Building Societies

Includes cooperative housing

For Building and loan associations, see 332.32; Housing, 711.59

.2 It is recommended that Cooperative Banking and Credit be classified in 332.3; Agricultural Banking and Credit, 332.31; Credit Unions, 332.35**.5 Consumers Cooperation**

Includes purchasing cooperatives which, in order to reduce costs, buy collectively goods their members need

334.6 Cooperation in Production Utilization

Includes societies engaged in production, selling, and owning machinery or other assets too expensive for any one member to own

For Cooperative production or marketing of specific commodities, see 338.1-.4, e.g. Cooperative milk marketing, 338.17

335 COLLECTIVISTIC SYSTEMS

Collectivistic economic systems are those in which production and distribution of commodities are determined not by free private market (capitalism), but by centralized authority, e.g. government (socialism or fascism); by associations, e.g. unions or syndicates (syndicalism), or by individuals with an attitude of brotherhood toward each other (anarchism)

Includes socialism (type of collectivism in which a democratically elected government owns the means of production and controls processes of production and distribution) and descriptions of ancient and modern ideal commonwealths

For Political methods of transition, see 323.2; Totalitarian form of state, 321.84-85; Comparative government and civics, 320.9; Functions of government, 322; Theory of capitalism, 330.15; Economic conditions and systems, 330.9; Economic planning, 338.9; Form divisions .01-.09, p. iv

.4 Marxian Socialism

Largest group of Marxian socialists are those who call themselves communists, including communists in USSR, and who regard dictatorship of the proletariat as a worker's democracy. Includes doctrines of so-called "scientific socialism" founded on Marx's "science of economics" and historical change

For Economic system of USSR, see 330.947

.5 Post-Marxian Socialism

Socialist doctrines other than Marxian

For National Socialism, see 335.6

.6 Fascism

Economic theories of the corporate state
Includes Nazism

For Fascist economic system in Italy, see 330.945

335.7 Christian Socialism

Includes Catholic socialism

.8 Syndicalism and Anarchism

Includes I. W. W.

It is recommended that International organizations of syndicalist parties be classified in 329.9

For Industrial democracy, see 331.15; Revolutionary unions, 331.88

.9 Socialist Communities**336 PUBLIC FINANCE**

Public revenue Public borrowing Budgets Appropriations
Public expenditure

For Form divisions, .01-.09, see p. lv; Public finance of international organizations, 336.09; Public finance of ancient states, 336.093; Money, credit, banking, 332; Public accounting, 657.6

.1 Non-Tax Revenue

Revenues from non-tax sources, e.g. public property (public domain and industries), public monopolies, lotteries (formerly classified in 336.3), deposits and investments, reparations

Where interest in non-tax revenues lies chiefly in relation to taxation, class in 336.2

For Public land policies, see 333.1, Land grants to education, 379.12

.12 Sale of Public Lands and Other Properties

Revenue from sale of public land, buildings, equipment, supplies

For Grants-in-aid, see 336.39

.2 Taxation

Includes surveys, valuation, assessments, collection, exemptions, evasions, delinquencies, intergovernmental problems

For Subjects pertaining to specific tax, see tax, e.g. Assessment of real property, 336.22; Tariff administration, 336.26

336.21

Direct Taxes

Assessment Collection Rates

Includes general property tax classified property tax

*For Capital levy see 336 25 Death and gift taxes**336 276 Special assessments 336 28*

.22

Real Property Tax

Includes single tax plan

For Taxation as device to control land utilization see 333 7

.23

Personal Property Tax

Includes tangible and intangible

24

Income Tax

Includes special aspects applicable to capital gains and losses international agreements and agreements between governmental units regarding distribution of foreign and nonresident income taxes

242

Personal Income Tax

Includes pay as you go plan

Where interest in payroll taxes lies chiefly in its relation to Social insurance tax class in 336 249

243

Corporation Income Tax Business and Industrial Profits Tax

Includes excess profits tax

249

Other Taxes upon Income

Includes payroll taxes for financing social insurance

.25

Other Direct Taxes

Includes poll tax capital levy

For Poll tax as qualification for voting see 324 1

.26

Tariff Customs

Taxes on goods crossing national boundaries

*Where interest in special commodity lies chiefly in its relation to protection class in 337 3**For Tariff policy see 337, Tariff, treaties and customs unions, 337 9, Foreign trade 382 Tariff rates 337 5*

336.27

Other Taxes

For Local taxes, see 336.28

.271

Excise, Sales and Indirect Taxes

Commodity taxes levied at some stage of production, marketing or consumption

Includes gross receipts, general retail sales, use, severance

For Specific commodity taxes, see 336.278

.272

Stamp Tax or Duties

Includes revenue stamp

For Specific commodity taxes, see 336.278

.273

Fees Licenses

Fixed charges for services which have been rendered or for privilege of engaging in specific activity, e.g. fees for legalization of documents, incorporation fees, professional licenses

Licenses was formerly classified in 336.274

.274

Taxes on Certain Businesses

Taxes on property, income, receipts paid by insurance companies, banks, corporations, chain stores, public utilities

It is recommended that **Licenses** be classified in **336.273**

For Specific taxes, see tax, e.g. Corporation income tax, 336.243

.276

Death and Gift Taxes

Estate Inheritance Legacy or succession Gift

.278

Taxes on Specific Commodities and Services

Sale, gross receipt, stamp duty, license taxes levied on specific commodities and services, e.g. motor fuels, alcohol, tobacco, admissions and amusements, soft drinks, pari mutuels, transportation, severance of timber and oil

May be arranged alphabetically by commodity or service

For Taxation on bonds and securities as personal property, see 336.23

336.28

Local Taxes

Whole question of local taxation

Includes special assessments or levies against property to defray cost of public improvement

For Specific kinds of taxes, see tax, c.g. Real property taxes, 336.22; Parking meter revenues, 336.278

.3**Public Credit, Debt and Loans**

Borrowing Payment of interest Repayment of principal
by states

Includes issuance of government securities, government bonds

It is recommended that **Government lotteries** be classified in 336.1

For Public revenue from deposits and investments, see 336.1

.34**International Debt**

Includes financial commitments of one state to another; war indemnities or reparations imposed by victorious state upon conquered; loans made by one state to another in pursuit of common war, financial assistance rendered to prevent financial and economic collapse of state; transactions between state as borrower and foreign private holder of capital as lender

Includes subsidies; commercial loans, c.g. government loans floated in foreign mark with guaranty or recommendation of foreign government

For Indemnities or reparations of specific war, see war, c.g. World War I reparations, 940.31

.39**Public Expenditure and Accounts**

Government spending Reduction of government spending
Grants-in-aid Subsidies or subventions, bounties

For Functions of government, see 322; Subsidies as device for encouraging industry, 338.9

.395**Budgets and Appropriations**

Budget administration Budgetary control Budgets
and legislative appropriations

336.4 Public Finance of Specific Nations

For Public finance of international organizations, see 336.09; Public finance of ancient states, 336.093; Specific aspects of public finance, see subject, e.g. Taxation in France, 336.2; Claims of one government against another, see subject, e.g. Expropriation of Mexican oil land, 333.8

337 TARIFF POLICY

Government control of international trade, and effects on economic conditions

Includes colonial tariff policies, free trade

For Economic policy, see 338.9, International trade, 382; Customs as a source of revenue, 336.26; Form divisions, .01-.09, p. lv

.3 Protection

Includes tariff and other methods of control, e.g. licensing, contingents or quotas, prohibition, anti-disease regulations, anti-dumping duties, punitive surtaxes

For Methods of levying customs duties, see 336.26; Foreign exchange quotas, 332.45

.5 Tariff Rates on Specific Commodities

For Production and marketing of commodities, see 338.1-.4

.9 Tariff Treaties

Includes trade agreements, reciprocity, most-favored nation clause, preferential tariff, customs unions, multi-national agreements

For Tariff laws and administration, see 336.26

338 PRODUCTION AND PRICES OR PLANNING

Includes theories of production, specialization, diversification, freedom and control of production

For Factors of production (land, labor, capital), see 333, 331, 339; Organization of production, 338.7

338.1-338.4 ECONOMICS OF INDUSTRY

*Organization Financial problems (costs, pricing) Markets Maladjustment of production Plant Production Statistics
Products Government regulation*

.1 Agricultural and Plant Industries

For Agricultural land use, see 333.76; Cooperative farms, 334.6; Farm management, 631; Processed food industry economics, 338.4

.17 Agricultural Products

Includes grain, cotton, sugar, fibers, tea, coffee, vegetables, dairy products, liquor and packing industries' products

For Growing of agricultural products, see 633-635

.2 Mineral Industries

For Mineral land use, see 333.8; Conservation, 333.72; Mining engineering, 622; Metal manufacture, 671-2-3

.27 Mineral Products

Includes coal, gas, petroleum, chemicals, precious stones, glass

For Technical production of coal, see 662.62, Gas, 665.7; Petroleum, 665.5

.3 Other Primary Industries

Includes fishing, hunting industry

For Fisheries, see 639.2, Trapping, 639.1

.37 Other Primary Products

Those which come directly from natural resources

Includes fur, fish

For Processing of fur, see 675.3; Preservation of fish, 664.8

-
- 338.39 Engineering Industries**
Includes public utilities (formerly classified in 380.16), businesses supplying water, gas, electricity, telephone and telegraph service; and transportation on street cars, busses, railroads and airways; rural electrification
- .4 Manufacturing Industries Services**
Industries which obtain their raw materials from primary industries or from other secondary industries
Includes construction industries
For Techniques of manufacturing, see 660; Construction, 690; Transportation and communication, 380; Business management, 650
- .46 Services**
Professional, technical, advisory, personal, recreational
- .47 Manufactured Products**
Includes metal, lumber, paper, textile, clothing, processed foods industries
- .5 Prices**
- .52 Price Determination**
- .522 Competitive Free Markets and Price Determination**
Barter or higgling Auctions Organized commodity exchanges
Includes competitive conditions, changing supply and demand, marginal revenue, short and long run costs, interrelationship of prices
For Specific commodity exchanges, see 338.17; Security exchanges, 332.64
- .523 Monopolistic Markets and Price Determination**
- .526 Government Regulation of Prices and Price Determination**
- .528 General Level of Prices**
Includes price of commodities by index number; causes and results of price movements

338.54

Business Cycles

Causes Remedies

Includes forecasting, panics, depressions, recessions, booms

.6

Systems of production

Includes handicraft stage, guild system, domestic or putting out system, factory system

.7

Organization of Production

Includes the entrepreneur, partnership

For Business management, see 658

.74

Corporations

Includes government corporations

.8

Large Scale Production and Combination

Advantages Disadvantages Regulation

Includes holding companies, monopolies, trusts, mergers

For Trust banking, see 332.14

.88

International Combination

Includes cartels

.9

Economic Policy

Includes encouragement of industry by government grants, subsidies, control and regulation of industry by government

For Social and economic planning, see 309.2, City planning, 711, Functions of government 322, Specific industry controls, subject, e.g. Control of monopolistic markets, 338.5, Credit control 332.11

339

INCOME AND WEALTH

Wealth is total assets (economic goods and services) existing at a given time

It is recommended that **Poverty** and **Vagrancy** be classified in 301.46*For Labor, see 331, Land, 333, Production and distribution of goods and services, 338, Form divisions .01-09, p. iv*

339.2 It is recommended that **Distribution of National Income** be classified in 339.3; **Distribution of Personal Income**, 339.41

.3 National Income and Wealth

Principles of measurement Estimated value Analysis
Accounting and nation's economic budget Money flow

Total of goods and services existing in a country in given period

Includes distribution of national wealth (formerly classified in 339.2)

For Economic principles of determining shares going to specific factors of production, see Labor (wages) 331.2; Capital (interest), 332.8; Land (rent), 333.5; Entrepreneurship (profits), 338.7; Government receipts and expenditures, 336

.34 National Wealth of Specific Countries

.4 Personal Income and Wealth

Part of national income and wealth which is consumed

For Consumer education, e.g. Shopping and buying for home, see 647.1; Industrial uses of goods and services, 338.1-4

.41 Distribution of Personal Income

Principles of measurement and distribution of income by occupation, age or size of income, e.g. incomes under \$1000
Distribution of personal income was formerly classified in 339.2

.42 Cost or Standards of Living

Cost of living for labor was formerly classified in 331.831
Includes family expenditures at various income levels; budget studies by income level, by degree of urbanization, by occupational group

For Household accounts, see 647.1; Standards of living in relation to wages, 331.21

339.43

Savings

Principles of measurement and estimates of saving for various economic groups, by type of saving, by income level •

For Saving and investment, see 332.67

.49

It is recommended that **Conservation of National Resources** be classified in 333.72

340 LAW

For Form divisions .1-.2, .7-.8, see p. lv; exceptions .3-.6, .9 follow:

340.3 Antiquities

Includes torture, trial by ordeal, duel

.4 Trial by Jury

.5 Comparative Legislation

.6 Medical Jurisprudence

Relationship between law and medicine, e.g. Patient-physician contracts, medical privilege; doctor as witness

Includes forensic medicine (application of medical knowledge in legal trials); expert testimony (doctor as expert in cases involving establishing cause of death, illegal abortion)

For Registration and licensing of doctors, see 614.2; Forensic ballistics, legal chemistry, 364.12, Testimony, 347.94

.9 History Legal Anecdotes

341 INTERNATIONAL LAW

Body of rules accepted by community of nations as defining their rights and obligations; means of procedure by which those rights may be protected

Includes international cooperation

For International law relating to particular subject, see subject, e.g. Sovereignty of nations, 320.157

.1 World Peace

Peace plans and movements

.11 International Organization and Administration

General public and private organizations

Includes two or more specific international organizations

For Organizations devoted to special subject, see subject, e.g. Food and agricultural organizations of the United Nations, 338.1, World state, 321.04

.12 League of Nations

May be divided like United Nations, 341.13

-
- 341.13 United Nations**
 Organization Administration
For U.N.F.S.C.O., see 060
- .132 Charter and Organs**
 Includes discussions on permanent agencies, councils, commissions
For Agencies devoted to special subjects, see subjects. e.g. Trusteeship council, 325 31, International court of justice, 341.63; Social and economic council, 309.2
- .133 General Assembly**
 Includes general committees, e.g. Administrative and budgetary committee
- .135 Security Council and General Committees**
- .137 Secretariat and Departments**
- .139 Relationships of Governments and Regions to United Nations**
- .18 Regional Associations**
 Includes Pan-American Union
- .2 International Treaties**
 Procedures Texts Collections of treaties
 May be divided by country like 930-999
For Treaties signed at termination of war, see History, e.g. Treaty of Paris, 973.32; Treaties concluded between two countries, see more important country, e.g. Treaties concluded between Russia and Hungary, 341 247; or Treaties between one country and another may be classified with the foreign country, e.g. Treaties concluded between United States and China, 341.251; International relations, 327
- .3 Law of War**
- .31 Belligerency and Belligerents**
 Includes commencement, conduct, methods and termination of war

-
- 341.32 Property in War Law of Belligerent Occupation**
Administration of occupied territories Exploitation of
their resources Relations with peoples of occupied terri-
tories Requisitions in foreign countries Contribu-
tions to war Booty Requisition of travelers En-
emy property
- .33 Prisoners of War**
Treatment Rights Work Repatriation
Includes sick and wounded prisoners and internment of
soldiers by neutral nations
For Work of Red Cross, see 361.5
- .35 Neutrality and Neutrals**
Includes commerce of neutral nations, contraband of war,
right of visit and search
- .36 Maritime Warfare**
Includes privateering, prizes of war, courts of prizes, sub-
marine mines
For Right of search, see 341.35
- .39 Civil War**
When civil war assumes such proportions that other na-
tions are affected, laws of war and neutrality may be used
by recognition of insurgents as belligerent power, e.g. in
1861 European powers recognized belligerency of South
when de jure government violated normal rights of com-
merce
- .4 Crimes Against Law of Nations**
Procedure of trials and punishment of criminals Genocide
For Military trials by occupying forces during hostilities, see
341.32
- .41 Nuremberg Trials**
- .49 International Criminal Law**
Includes extradition, immunity, right of jurisdiction
- .5 Special Topics in International Law**

341.51**Nationality and Citizenship**

For Domestic legislation on nationality and citizenship, see 323.6

.57**Commercial and Maritime Law**

Includes freedom of seas open seas collisions at sea, ship wreck

For Special topics see subject e.g. International air rights, 333.9 Fisheries 338.3 Maritime war 341.36, Neutrality, 341.35

.59**Private International Law Conflicts of Laws**

Determines whether foreign or domestic law governs questions involving private rights of foreigners or private rights claimed by virtue of foreign transaction

For Special topics see subject e.g. Bankruptcy 332.75

.6**Pacific Settlement of Disputes**

Includes negotiation good offices conciliation and commissions of inquiry

For World peace see 341.1

.63**International Arbitration and Mediation Judicial Settlement**

Includes courts of international justice and international tribunals e.g. Hague permanent court of arbitration

For Prize courts see 341.36

.65**Compulsive Measures Short of War**

Sanctions Pacific blockade Embargo Economic boycott Intervention International police

.67**Reduction and Limitation of Armaments**

For Specific regulations and controls see economic production e.g. Control of atomic energy 338.27 Firearms industry, 338.4

341.7 Diplomatic Service

Conduct of official relations between governments as governed by international law and custom

For World politics, see 909; International relations of particular country, 327; Diplomacy involved in a particular crisis, history of country, e.g. U. S. diplomatic relations in Civil war, 973.7; Treaties, 341.2 or history of country

.8 Consular Service**342 CONSTITUTIONAL LAW**

Written and unwritten fundamental law of state

Includes constitutional conventions, constitutions and amendments, commentaries on constitutions; history of constitutions of specific countries

For Constitutional law controlling specific bodies, see subject, e.g. Powers of the executive, 353.03; Powers of legislative bodies, 328.34, Judicial powers, 347.97-99, Government, 320.9, Comparative governments, 320.9

.3-9 May be divided like 930-999, e.g. U. S. Constitution, 342.73

343 CRIMINAL LAW

Includes penal codes, reports, criminal procedure

For Criminology, see 364, Police measures, 365

.1 Criminal Trials

For Criminal case studies, see 364.1

.2 Punishment

Corporal punishment Death penalty

For Penology, see 365

344 ADMINISTRATIVE LAW

Rules and regulations having the force of law for purpose of filling in details of statutory policy Administrative regulation of social and economic activity

It is recommended that **Martial law** be classified with **Military law, 355.9**

For Specific administrative rules, see subject, e.g. NLRB rulings, 331.899, Law of municipal corporations, 352; Civil service law, 351.1

344.1 Administrative Tribunals*For Courts, see 347.9***.2 Administrative Procedure****345 U. S. STATUTES AND CASES**

Source material

Includes common law

345.1-5 may be divided 1, U. S., 2, states, and arranged alphabetically, e.g. Statutes at Large of U. S. federal government, 345.11, Statutes of Mass., 345.12, Reports of District Courts of Mass., 345.412

.1 Sessions Law Statutes at Large**.2 Codes Revised Statutes****.3 Law Digest****.4 Reports**

Includes Supreme Court reports

.41 U. S. Circuit and District Courts**.415 Reporter Services for Regions****.5 Digests of Cases****346 BRITISH STATUTES AND CASES**

Source material

Includes reports for English speaking countries except U. S.

May be divided like 345

347 TREATISES

Systematic exposition of facts, principles involved, and conclusions arrived at in points of law

For Law of special subjects, see subject, e.g. Insurance law, 365.93, Private corporation law, 338.74

347.1-347.8 PRACTICE IN MANY LAW LIBRARIES

places types covered here in one alphabetical author arrangement

Persons

-
- 347.2 **Realty**
 - .3 **Chattels**
 - .4 **Contracts**
 - .5 **Torts**
 - .6 **Family Law and Inheritance**
 - .7 **Commercial and Maritime Law**
 - .8 **Equity**
 - .9 **Judicial Branch of Government**
 - Includes civil trials, procedure, courts
 - .91 **Civil Trials**
 - .92 **Pleadings**
 - .93 **Forms**
 - .94 **Evidence**
 - .95 **Remedies**
 - .96 **Local Legal Officers**
 - Includes Justice of the peace, Notary, Sheriff
 - .97 **Courts**
 - Organization Jurisdiction History
 - Includes court system of central governments
 - For *International courts*, see 341.63; *Administrative tribunals*, 344.1
 - .972 **Supreme Court**
 - .98 **Provincial or State Court System**
 - .99 **Local Court System**
 - 348 It is recommended that **CHURCH LAW** be classified in 262.9
 - 349 **LAW OTHER THAN AMERICAN AND BRITISH**
 - .3-.9 May be divided like 930-999, e.g. **Roman Law**, 349.37 and further divided under each nation like 345 by adding 0 after the country's number, e.g. **French Code**, 349.4402
 - For *Treatises on specific subjects*, see subjects, e.g. *French commercial law*, 347.7; *German court system*, 347.97

Management of executive branches of government

For Legislative branch, see 328, Judicial branch, 340, Government, 320, Constitutional government, 342, Business administration, 658

Includes problems basic to administration of executive branch of all governments

For Problems of administration of U S federal and state executive branch, see 353 Foreign central executive branch, 354, All local executive branches, 352

Those who work for government	Job classification	Selection	Placement	Training	Conditions of employment

Includes Civil Service Commissions, Ministries, Bureaus, their organization, powers, functions

.3 Selection, Placement and Training of Personnel for Public Service

Includes recruiting establishing standards, examination, tests

Includes promotion, transfer, salaries, pensions, severance

351.7-351.8 AREAS OF GOVERNMENTAL ADMINISTRATION

As governmental administration touches subjects expanded elsewhere in the classification it is recommended that these areas be classified where found, e.g. Police measures, 365; Welfare, 360; Communications and transportation, 380; Finance, 336; Trade, 380; Labor, 331; Military, 355; Education,

370

.9 Control of Public Service

Includes checks by legislative and judicial branches; electorate, and by supervision

352 ADMINISTRATION OF LOCAL GOVERNMENT

Includes organization of local government and administration of units of government such as counties, cities, boroughs, villages

352.03-352.09 SPECIFIC LOCAL GOVERNMENTS

May be divided like 930-999, e.g. French local government, 352.044, Municipal government in United States, 352.073

352.1-352.9 DEPARTMENTS OF LOCAL GOVERNMENT

Organization Administrative management

For Functions of departments, see subject, e.g. City finances, 336

.1 Finance Department**.2 Police Department****.3 Fire Department****.4 Public Health Department****.5 Public Works Department****.6 Water, Sewage Department****.7 Streets, Highways, Bridges, Parks Departments**

352.8 Licenses**.9 Other****353 ADMINISTRATION OF UNITED STATES
FEDERAL AND STATE EXECUTIVE
GOVERNMENT**

Organization Administrative management

*For Administration of U. S. federal and state legislative bodies,
see 325.73-795, Judicial, 347.9, Civic, 320.9*

.03 President**353.1-353.8 DEPARTMENTS OF UNITED STATES EXECUTIVE
GOVERNMENT**

Organization Administrative management

For Functions, see subject, e.g. State department negotiations with Russia 327.47, Treasury department bond issues, 336.5

.1 Department of State**.2 Department of the Treasury****.3 Department of Interior****.4 Post Office Department****.5 Department of Justice**

For Courts see 347.97

.6 Department of Defense

Includes Navy (formerly classified in 7) and Air Force

**.7 It is recommended that Department of Navy be classified
in 353.6****.8 Other Departments****.81 Department of Agriculture****.82 Department of Commerce****.83 Department of Labor**

353.9 Administration of State Executive Government

May be divided like 974-979, e.g. Administration of New York State, 353.9747

354 ADMINISTRATION OF EXECUTIVE GOVERNMENT OTHER THAN UNITED STATES

May be divided like 930-999, e.g. Executive branch of French government, 354.44 and further subdivided like 353, e.g. French State Department, 354.441, except where existing country subdivisions conflict, e.g. Germany, 943, Austria, 943.6. In such cases departments would be added to .06, e.g. German State Department, 354.43061

355-359 MILITARY SCIENCE

For Ordnance and engineering, see 623

355 ELEMENTS OF WARFARE

Framework of war as practised by the army as a whole, or jointly by army, naval and air forces

Includes services which supply and maintain combat units

For Specific ground forces of army, see 356, e.g. Infantry, 356.1, Military history, 930-999; War as social disorganization, 301.46; International law of war, 341.3; Military weapons and their operation, 623; Specific wars, 930-999; Form divisions .01-.09, p. lv

.1-.8 may be applied to any branch of service, e.g. Air force strategy, 358.43, Naval recruitment, 359.22

.1 Personnel

Officers Enlisted personnel Prisoners of war

Includes personnel policies regarding service (length, leave, promotion, termination), pay; relation of military to civilians

.11 Veterans

Includes provision for civil employment, education and rehabilitation of service men and women

For Veterans' hospitals, see 362.11; Homes for aged, 362.61

-
- 355.12 Military Life and Customs**
Includes living conditions, relation between officers and enlisted men
- .13 Military Discipline**
Includes Provost Marshal, military police and the enforcement of military law and order, military tribunals and administration of justice, military punishment
- .14 Uniforms**
Description Regulations
Includes insignia
For Issuc, see 355.8
- .2 Mobilization**
Change from peace to war organization and assembling of troops, reserves and all other resources of nation for war
- .22 Manpower Recruitment**
Organization Administration Examination
Includes enlistment and conscription, provisions for exemption, evasion, refusal of service, e.g. Conscientious objectors
For Training, see 355.5; Recruitment for Navy, 359.22
- .23 Civilian Mobilization**
Includes provision of civilian defense volunteers, employees; allocation of workers to essential industry; civilian morale
- .232 Civilian protection**
Includes protection from bombing, fire, bacteriological warfare, chemical warfare and subversive activities
- .26 Industrial Mobilization**
Includes priorities and allocation of materials, location of defense industries, contract letting, regulation and supervision by government
- .27 Mobilization of Transportation and Communication Facilities**

355.3 Organization

Scheme of arrangement in branches having definite functions and units of various sizes with various grades of personnel assigned to each

Includes military profile of a country

For Naval organization, see 359.3

.31 Combat Elements

Disposition Statistics

For Detailed description of branches of army, see 356;

Air force, 358; Navy, 359; Non-combat or service,

355.1-9, 356.9, e.g. Judge Advocate, 355.6

.33 Command and Staff

Includes Inspector General, Chiefs of Staff, combined and joint staff

.34 Special Services

Women's corps Recreational services Religious service

Includes Special Services, Chaplains Corps, Troop Information and Education

.36 Service Elements

Includes administrative, supply and technical troops

.37 Reserves

Includes National Guard, Organized Reserve Corps (R.O.T.C.)

.4 Strategy and Tactics

Includes national defense

For Naval strategy and tactics, see 359.4

.41 Logistics

Movement and supply of troops

.42 Tactics

Handling of troops in combat or execution of broad plan of

....

Includes joint operations of land, sea and air forces; combat intelligence; psychological warfare; deceptive tactics, e.g. use of camouflage (formerly classified in .43)

355.43

Strategy

Conception of general plan of war or campaign and of deployment of forces; provision of balanced forces; budgetary requirements

Includes strategic intelligence, combined strategy (conception by allied nations of general plan of war), effectiveness of forces (adequacy of lines of communication and supply, initiative, numbers and mobility, unity, simplicity and character of command, cooperation and coordination in training, discipline, equipment, and morale of troops, standardization of equipment)

It is recommended that **Camouflage** be classified in .42

.48

Analysis of Specific Operations

Technical accounts and military analysis of specific wars, campaigns, battles

For Place of specific wars in history, see 930-999

.5

Training

Includes grand and major exercises of joint land, sea and air forces; basic training, drill and maneuvers, survival instructions

For Training in particular branches, see branch, e.g. Basic training, Infantry, 356.15, Fleet maneuvers in Pacific, 359.5

.6

Administration

Correspondence Records Filing systems Contracts
Budget Accounting Finance

Work and supervision necessary to handling of legal, financial, budgetary and clerical work of administrative service
Includes Judge Advocate General, Adjutant General (army post offices), Finance Department and Comptroller

For Naval Administration, see 359.6

.7

Installations

Organization and administration of military plants, hospitals, arsenals, barracks, posts, camps, stations, prisons

For Civilian concentration camps, see 355.232; Conscientious objectors' camps, 355.22; Architecture of military buildings, 725.1; Naval bases, 359.7; Air bases, 358.07

355.8

Equipment, Supplies, Materiel

Procurement Issue Maintenance Salvage Transport

Includes Quartermaster Corps, Ordnance Department, subsistence

For Naval equipment, supplies, materiel, see 359.8

.81

Equipment

Complete service outfit (side arms, clothing, instruments, tools, utensils)

For Description of ordnance see 623

82

Materiel

Includes trucks, cannon, anti-aircraft guns

.88

Supplies

Daily necessities (food, gasoline, ammunition)

9

Other Elements

Includes military law, martial law, public relations

Martial law was formerly classified in 344

For International law of war see 341.3, Military prisons, 355.7 Military government 325.31

356

GROUND FORCES AND SERVICES

Personnel Mobilization Organization Strategy and tactics Training Administration Installations Supply Transportation

Combat and non-combat services for land warfare

.1

Infantry

Includes motorized infantry, mountain troops, ski troops, Rangers or Commandos

4

Artillery

Arm of service which mans and operates heavy guns

Includes field, sea coast and anti-aircraft

Artillery was formerly classified in 358.1

For Artillery as ordnance, see 623

- 356.5 Armored Force**
Includes tank regiments, armored infantry regiments, antitank artillery units
- .6 Air-borne Force**
Includes air-borne infantry, paratroops in gliders and planes
- .7 Communications**
Branch of service which has charge of all military signaling (flags, lights, rockets, semaphore, heliograph) and communications (telegraph, telephone, radio)
Includes procurement, storage and distribution
Communications was formerly classified in 358.2
- .9 Ground Services**
Includes ground services not covered elsewhere
For Quartermaster Corps, see 355.8; Inspector General, Adjutant General, Judge Advocate General and Finance Department, 355.6; Provost Marshal General's Department, 355.13
- .92 Medical**
Care and treatment of wounded and sick; control of disease and sanitation
Includes Medical Corps, Dental Corps, Veterinary Corps, Medical Administrative Corps, Army Nurse Corps
- .93 Chemical Warfare**
Development and supply of gas, smoke, incendiary, bacteriological materials and weapons and protection against them
- .94 Engineer**
Includes Engineer Corps (formerly classified in 358.2)
- .95 Transportation**
Includes Transportation Corps

358 AIR FORCES AND SERVICES

Combat and non-combat services for war in air
Includes war in air as used by army, navy or air forces

For Military aeronautics, see 629.133; Aeronautic engineering, 629.1

358.01-358.09 may be divided like 355 1-.9, e.g. Air power, 358.03; Air force law, 358.09

.1 It is recommended that **Artillery** be classified in **356.4**

.2 It is recommended that **Engineers** be classified in **356.94; Communication, 356.7**

.4 **Air Warfare**

For Air navigation, see 629.125, Training of pilots, 629.126; Training of fighter pilots, 358.43

.42 **Bombing**

Projection of explosive and incendiary bombs from bombers in order to destroy military personnel installations, lines of communication, factories, dams, and other vital objectives and to disorganize civilian life
Includes Bomber Command

For Ordnance, see 623; Design and construction of bombers, 629.14

.43 **Fighting**

Protection of bombers, engagement of enemy fighter planes, combat attack of enemy bombers, strafing enemy troop positions, communication lines, supply centers
Includes Fighter Command

For Ordnance, see 623; Design and construction of fighting planes, 629.14

.44 **Transportation**

Carrying of paratroops, air-borne troops, equipment, supplies, evacuation of wounded, ferrying of planes
Includes Troop Carrier Command and Military Air Transport Service

.45 **Reconnaissance**

Procurement of military information by observation and aerial photography

- 358 9 Technical Air Services**
Includes Weather Command Air Service Command Communication Command Materiel Command
- 359 NAVAL FORCES**
For Naval architecture and marine engineering see 623 8 Armament 623 4 For divisions 01 09 p h
- 2 Mobilization**
Includes Bureau of Naval Personnel
- 3 Organization**
Scheme of arrangement into naval units (fleets squadrons task forces) having definite functions (combat command and staff special service and reserves) with various grades of personnel assigned to each
Includes naval profiles of specific countries
- 31 Combat Elements**
Disposition Statistics Costs Reports
For Function of combat elements of naval forces see 359 9 Non combat 359 99
- 33 Command and Staff**
Includes Chief of Naval Operations bureaus naval officers
- 34 Special Services**
Includes Women's Naval Corps Chaplains Corps Ships Services
- 36 Service Elements**
Includes administrative supply and technical units
- 37 Reserves**
Includes Fleet Reserve Organized Reserve Volunteer Reserve and Merchant Marine Reserve
- 6 Administration**
Legal financial budgetary and clerical work
Includes Judge Advocate General (NAV) naval law

-
- 359.7 Installations**
Includes upkeep and operation of naval ordnance establishments, magazines, gun factories, torpedo stations, proving grounds, by Bureau of Ordnance; upkeep and operation of public works and utilities of Navy by Bureau of Yards and Docks, Civil Engineer Corps; upkeep and operation of shore and floating bases (submarine, destroyer, air, mine, ports, docks, navy yards, stations)
- .8 Naval Maintenance**
Equipment of vessels Clothing and equipment Sub-
sistence Transportation
Includes Bureau of Supply and Accounts, Supply Corps
- .9 Naval Warfare**
- .91 Fleet Action**
- .92 Submarine Warfare**
For Design and construction of submarines, see 623.825
- .93 Naval Air Warfare**
Includes Carrier Force, Air Sea Reserve
For Bombing, fighting, reconnaissance, transport, see 358.4; Design and construction of planes, 629.14
- .94 Mine Warfare**
Includes mine laying and methods of combating mines (minesweeping, charting mine fields)
- .95 Raiding and Blockading**
- .96 Amphibious Warfare**
Invasion or occupation of land areas by sea-borne forces establishing beach-heads
Includes Marine Corps
- .97 Shore Protection**
Includes Coast Guard in time of war
- .99 Technical Services**
Includes Office of Naval Research, Medical Corps, Dental Corps, Medical Service Corps, Naval Nurse Corps, Communications

360 SOCIAL WELFARE

360-362 ORGANIZED ACTIVITIES PRIMARILY CONCERNED

with conservation, protection, improvement of human resources

For Sociology, see 301; Form divisions .1-.8, p. lv; .9 is not used, see instead, 362.9

361 SOCIAL WORK AND SOCIAL AGENCIES

Art of adjusting personal relationships and reorganizing social groups

Includes administration of social work

361-361.5 PUBLIC AND PRIVATE WELFARE

For Service to sick, see 362.1; Fields of social work, see specific type or need of clientele, e.g. Medical social work, 362.1; Psychiatric social work, 362.2; Family welfare work, 362.8; Industrial social work, an exception, is classified in 331.83

.2 Social Welfare Planning

Preparation of integrated schemes of common action in field of assistance concerned with social problems for use by groups of social agencies or government
Includes council of social agencies

.3 Social Case Work

Development of capacity of individuals to organize their own normal social activities in any environment

For Settings in which social case work is practised, see subject, e.g. Medical case work, 362.1; Psychiatric case work, 362.2; Child case work, 362.7; Family case work, 362.81

.4 Social Group Work

Social adjustment of individuals promoted by participation in voluntary groups and with assistance of group leader

For Adult education, see 374

361.5 Disaster Relief

Includes earthquake, volcanic eruption, flood, war, epidemic, famine, fire, windstorm, refugee relief

.6 Government Agencies

Includes administrative and statistical reports

For Reports combining public welfare and public health, see 614.1

.7 Private Agencies

Includes administrative and statistical reports of individual agencies

.8 Cooperative Agencies

Includes social service exchanges, community chests

For Council of social agencies, see 361.2

.9 History and Development of Social Work and Social Agencies

Includes public and private welfare

362 WELFARE SERVICES

Includes institutions, institutional care

For Social disorganization, see 301.46

.1 Service to Sick and Injured

Includes sanitariums; nursing, rest, and convalescent homes; ambulance service

For Group health and hospitalization insurance, see 368.38; Medicine, 610; Nurses and nursing, 610.73; Public health nursing, 614.073; Home care, 649.8

.11 Hospitals and Allied Institutions**.12 Dispensaries, Clinics**

Includes out-patient care

.15 Maternity Hospitals

Includes homes for unmarried mothers

** For Maternal hygiene, see 618; Children's hospitals, 362.78*

- 362.19 Hospitals and Allied Institutions for Special Diseases and Surgery**
For Orthopedic hospitals, see 362.43
- .2 Service to Mentally Diseased**
For Sociological studies of mental disease, see 301.46; Psychiatry and mental hygiene, 616.89
- .3 Service to Mentally Deficient**
For Psychological studies of mental deficiency, see 132; Sociological studies of mental deficiency, 301.46
- .4 Service to Physically Handicapped and Disabled**
For Sociological studies of physically handicapped and disabled, see 301.46; Vocational rehabilitation, 371.91; Labor problems of physically handicapped, 331.59
- .41 Service to Blind**
Includes partially sighted
- .42 Service to Deaf**
Includes deaf mutes
- .43 Service to Crippled and Ruptured**
Includes orthopedic hospitals
For Crippled children, see 362.78
- .5 Service to Poor**
Aid in form of money or necessities
Includes aid to tramps, beggars, transients, unemployed
For Unemployment, see 331.1; Unemployment insurance, 368.44
- .6 Service to Aged and Infirm**
Includes allotments
For Sociological studies of old age dependency, see 301.46, Old age social insurance, 368.43; Pensions for services performed, 331.25
- .61 Institutions and Institutional Care for Aged and Infirm**

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- 362.7 Service to Children and Adolescents**
Activities which promote well-being of children and adolescents
Includes studies combining public health and public welfare limited to child and adolescent care
For Family welfare, see 362.8; Sociological studies of childhood and adolescent dependency, 301.46; Child labor problems, 331.3; Social group work, 361.4; Young people's societies, 369.4; Education, 370
- .71 Service to Mothers**
Includes aid to mothers (pensions, day nurseries)
- .73 Service to Orphans and Abandoned Children**
Includes placement service, foster care, adoption, institutions
- .74 Child Guidance Clinics**
Treatment for neglected and maladjusted children
For Psychological studies of abnormal children, see 136.76; Child care, 649.1; Student personnel work, 371.422
- .78 Children's Hospitals and Allied Institutions**
Services to sick and crippled children
- .8 Service to Families**
Includes family allowances
For Child welfare, see 362.7; Mothers' pensions, 362.71
- .9 History and Development of Welfare Services**
Includes Social Security Act
- 363 It is recommended that Political Societies be classified in 329.8; Ku Klux Klan in 366.6**

364 CRIMINOLOGY

Study of crime and criminals
Includes correctional institutions

Where interest in criminology lies in its sociological implications, class in 301.46

For Criminal law, see 343; Criminal courts, 347.9; Local police administration and law enforcement, 352.2; Eugenics, 301.323

.1 Crime

Detection Classification Case studies

Includes adult criminals (formerly classified in 364.3)

.12 Crime Investigation

Includes crime detection methods used by experts (chemical analysis, forensic ballistics, microphotography, handwriting analysis); identification from photographs, fingerprints modus operandi, physical measurements of known criminals

For Methods of fingerprinting, see 365.6; Ballistics, 623.53

.13 Crimes Against the State

Includes piracy, treason, conspiracy, smuggling, counterfeiting

For Corrupt election practices, see 324.27; Corruption of legislators, 328.36

.14 Crimes Against Public Order

Includes gangs, outlaws, feuds, lynching, riots, mobs, disorderly conduct

For Mob psychology, see 301.158

.15 Crimes Against Person

Includes homicide, infanticide, poisoning, sex crimes, abduction, kidnaping, murder

.16 Crimes Against Property

Includes theft, robbery, forgery, embezzlement, fraud, swindling, arson

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- 364.17 Crimes Against Public Morals**
Includes obscene language, literature
- .2 Causes of Crime and Delinquency**
Includes social and economic factors, heredity, studies of criminals (formerly classified in 364.3-.39)
- .24 Physical and Mental Factors in Crime**
Includes factor of age, sex, health, physical abnormality, criminal anthropology (formerly classified in 364.33), mental disease or deficiency, emotional instability, mental superiority and inferiority
For Social anthropology, see 572.7; Abnormal psychology, 132
- .3 Juvenile Delinquency**
It is recommended that Adult criminals be classified in 364.1-.2
For Psychological studies of juvenile delinquency, see 136.76; Juvenile courts, 364.52; Probation of juvenile offenders, 364.63; Reformatories, 364.72; Discharged delinquents, 364.8; Sociological studies of juvenile delinquency, 301.46; Child guidance clinics, 362.74
- .4 Crime Prevention**
Includes social adjustment, changes in economic and social institutions, rational treatment of offenders, preventive police work
For Child guidance clinics, see 362.74
- .5 Correctional Courts**
Activities, procedures, administration, laws and legislation, reports and surveys
For Probation officers, see 364.6
- .52 Juvenile Courts**
- .53 Domestic Relations Courts Family Courts**

364.6 Corrective and Reformatory Methods

Personnel Administration Evaluation

Includes parole, indeterminate sentence, probation, pardon, amnesty, commutation of sentence, violation and revocation of parole

For Prisons, see 365

.63 Juvenile Probation

For Juvenile courts, see 364.52

.7 Reformatory and Correctional Institutions

For Prisons, see 365, Adult offenders, 364.1

.72 Juvenile Reformatories

Includes industrial or training schools, junior republics, colonies, truant schools, borstal system

For Juvenile delinquency, see 364.3; Education of juvenile delinquents, 371.93

.8 Discharged Convicts and Delinquents

Includes aftercare

For Release from prison, see 365.64

.9 Criminology in Specific Countries**365 PENOLOGY**

Organization Administration

Science of punishment, prison management

Includes treatment of prisoners

For Criminal law and punishment, see 343; Correctional institutions, 364.7; Crime and criminals, 364.2; Case studies, 364.1

.2 Prison Systems

Includes congregate, solitary or separate confinement; silent, progressive or intermediate stage systems (Pennsylvania, Auburn, Irish or Crofton)

For Reformatories, see 364.7; Convict labor, 365.65

365.3 Penal Institutions

Prisons, penitentiaries, jails, detention, station houses
Includes penal farms and colonies, exiles, road camps

.4 Special Prisons

Includes prisons for men, women, juveniles, political prisoners, debtors

.6 Treatment of Prisoners

Includes reception, classification (photographing, fingerprinting) of prisoners; discipline; merit system; escapes; punishment of refractory prisoners; release from prison

For Case studies of criminals, see 364.1; Prisons for special classes of offenders, 365.4; Aftercare of discharged prisoners, 364.8; Punitive labor, 365.65

.65 Employment of Inmates

Includes convict labor vs. free labor, systems of prison labor (lease, chain gangs, contract)

.66 Prison Welfare Work

Includes social work, clinical and laboratory, hospital service; directional work in education, recreation

For Prison libraries, see 027.66

.9 Penology in Specific Countries**366 ASSOCIATIONS**

Associations are social groups specifically organized for pursuit of common interests

Includes secret societies

For Associations and institutions in specific fields (religion, art, science), see subjects; Sociological aspect, 301.43; Learned societies, 060; College secret societies, 371.85

.1 Masons**.2 Knights of Pythias****.3 Odd Fellows****.4 Rosicrucians****.5 Elks**

366.6 Ku Klux Klan

Formerly classified in 363

367 SOCIAL CLUBS**368 INSURANCE**

Principles Organization Management

Includes compulsory social insurance, voluntary insurance
(commercial, cooperative, voluntary government)

For Form divisions .02-.09, see p. lv; exception in .01 follows:

368.01-368.015 GENERAL INSURANCE

The following may be applied to any type of insurance, e.g. Fire insurance rate making, 368.11; Life insurance underwriting, 368.32; Settlement of automobile claims, 368.574

.01 Theory

Risk, hazard, law of large numbers, theory of probabilities
Includes actuarial science

For Statistical method, see 311; Mathematical probabilities, 519

.011 Rates

Classification of risks, cooperative rate making organizations

Includes rate making

.012 Underwriting

Estimation and selection of risk, drafting of policies and forms, contract, reinsurance (formerly classified in 368.86)

.013 Marketing

Sales techniques Buyers' interest

.014 Claims

Mechanics of claim and loss settlement

-
- 368.015 Finance**
Investments
Includes reserves
For Accounting, see 657, Investment finance, 332.66
- .1 Fire Insurance**
Includes consequential losses (business interruption or use and occupancy, extra expense, rents and rental values); allied fire lines (riot and civil commotion, earthquake, windstorm, cyclone or tornado, hail, crop insurance, rain, sprinkler and other leakage); war risk; extended coverage
- .2 Transportation Insurance**
Includes both ocean and inland marine insurance
- .22 Ocean Marine Insurance**
Usually called marine insurance
- .23 Inland Marine Insurance**
- .3 Life Insurance**
Includes accident and health insurance; mortality and survival tables
- .36 Special Forms of Life Insurance**
Includes fraternal, assessment, industrial, substandard risks, non-medical, savings bank life insurance; war risk life and accident insurance; group life insurance
- .37 Annuities**
Includes group annuities, pension trusts
- .38 Accident and Health Insurance**
Includes group accident and health insurance, group hospitalization, medical expense
- .4 Social Insurance**
Insurance in which government goes beyond regulation of practices and dissemination of information
For Social legislation such as Social Security Act, see 362.9

- 368.41 Industrial Accident and Disease Insurance**
Includes Workmen's compensation insurance
It is recommended that Liability insurance be classified in 368.57
For Workmen's compensation, see 331.825; Voluntary health and accident insurance, 368.38
- .42 Sickness Insurance**
Includes Great Britain's sickness and health plan
- .43 Old Age and Survivors' Insurance**
Includes provisions of Railroad Retirement Act, Social Security Act
For Old age and unemployment insurance, see 368.44
- .44 Unemployment Insurance**
Includes provisions of Social Security Act
- .5 Casualty Insurance**
- .56 Miscellaneous Casualty Lines**
Plate glass (formerly classified in 368.6), power plant, livestock loss or damage
- .57 Liability Insurance**
Insurance covering loss due to liability for damages imposed by law (formerly classified in 368.41)
Includes automobile and aviation insurance
- .6 It is recommended that Glass Insurance be classified in 368.56**
- .8 Insurance Against Loss Due to Dishonesty or Failure in Performance of an Obligation**
- .82 Burglary**
Includes robbery and theft
- .83 Fidelity Bonds**
Guarantee against loss to employers because of dishonesty of employees

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- 368.84 Surety Bonds**
Guarantee against loss due to failure to perform an obligation
- .85 Other Guarantees**
Mortgage, bank deposit, investment guarantees
- .86** It is recommended that **Reinsurance** be classified in 368.012
- .87 Credit Insurance**
Insurance against loss due to insolvency of creditors
- .88 Title Insurance**
Insurance against loss due to invalidity of or defect in real estate titles
- .9 Supervision of Insurance Business by the State**
- .91 Agencies of Supervision**
Includes reports of State Departments of Insurance, Commissioners
- .93 Legislation**
Common law Statutes Case law
For Legislation concerning particular kind of insurance, see subject, e.g. Fire insurance law, 368.193
- 369 OTHER ASSOCIATIONS AND INSTITUTIONS**
- .1 Hereditary, military, patriotic societies (American)**
- .2 Hereditary, military, patriotic societies (other than American)**
- .4 Young People's Societies**
Includes Pioneer Youth of America, Boy Scouts, Girl Scouts, Camp Fire Girls
For Religious societies, see 267.6

370 EDUCATION

For Form divisions .1-9, see p. lv; exceptions .15, .19, and .7 fol-

- 370.15 Educational Psychology**
Educational psychology deals with conditions that promote or retard processes of learning and on that basis formulates certain principles which should be considered in organization and administration of schools
- .19 Educational Sociology**
Educational sociology is study of relationships between educational process on one hand and social agencies and society on the other
Includes intercultural education
- .7 Training of Educators**
- .72 Institutes and Workshops**
- .73 Agencies for Training Teachers**
Organization Aims Curricula
Includes teachers' colleges, normal schools, model and demonstration or practice schools
May be divided like 940-999
- .76 Agencies for Training Administrators**
Graduate schools of education
- .78 Educational Research**
For Research on any specific phase of education, see topic

371 TEACHING

Includes personnel, organization, methods for all levels (except college and university) of instruction, both public and private

- .1 Teaching and Administrative Personnel**
Includes status, duties, responsibilities, relationship of the teaching personnel and administrative officers with parents and community

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- 371.11 Qualifications**
Personality, mental and physical characteristics, experience
For Training required of teachers, see 370.7
- .12** It is recommended that **Training** be classified in 370.7
- .13 Certification**
Includes examinations, rating, rating scales, standards for teacher certification
- .14 Personnel Management**
Includes supply and demand, placement, appointment, contracts, tenure, dismissal, turnover, organization of teaching and non-teaching personnel
For Student placement, see 371.427
- .16 Compensation**
Includes salaries, wage scales, promotion, leave
- .17 Retirement**
Includes pension, annuities, retirement funds
For Pensions, annuities as part of life insurance business, see 368.37
- .2 School Organization and Administration**
Organization, administration, supervision within schools, or carried on by school officers and staff
Includes publicity, statistics, records for all levels and types of education
For Organization of public education, see 379.153
- .21 Admission**
Enrollment, standards, requirements for admission to all grades of schools
- .22 Tuition**
Includes student aid, scholarships
For College students, see 378.3; Non-resident tuition in public supported schools, 379.13
- .23 Organization of School Year**
Terms, vacations, summer schools, part-time sessions

- 371.25 Organization of Student Body**
Size of groups and methods of grouping students
- .26 Educational Tests and Measurements**
Measurement of ability to learn by means of scholastic aptitude tests, prediction of chance of success, measurement of pupils' growth in subject areas by means of standardized achievement tests
Includes marking and credit systems
For Intelligence tests not used for educational purposes, see 151.2; Diagnostic tests used in student counseling, 371.422
- .27 Examinations**
Measurement of pupils' growth in subject areas by examinations based on specific courses of study or curricula
- .28 Promotion**
Includes retardation
- .29 Other Topics**
Includes commencements, student mortality
- .3 Methods of teaching**
Includes techniques of teaching (use of drill, textbook, assignment, recitation, questioning, induction)
For Methods of teaching specific subjects or on certain levels, see subject or grade, e.g. High school teaching, 373
- .33 Teaching Aids and Devices**
Includes lecture, assembly, dramatization, audio-visual material treated together
For School plays, see 371.895
- .333 Aural Media**
Radio, phonograph, sound recorder, story telling
For Story telling as library function, see 027.62
- .335 Visual Media**
Motion picture, television, still projector, maps, charts

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- 371.36 Procedures or Administrative Activities of Teaching**
Includes so-called "progressive" or creative teaching (project, problems, subject and activity units); supervised study; "special day" programs
- .37 Socialized Classroom Procedures**
Seminar, discussion, socialized recitation
- .39 Other Procedures**
Includes exchange of pupils, trips, visits
- .394 Individual Development**
Includes provision for individual differences by diagnostic and remedial teaching, instructional counseling by Gary, Dalton, Winnetka plans of homogeneous grouping, differentiated assignments, flexible advancement
For Personnel work with students, see 371.422
- .4 Special Aspects of Education**
Includes monitorial system of Bell and Lancaster, theories of Jacotot, Quincy
- .42 Guidance**
Guidance is personal help designed to assist students, not only in schools of all levels, but as long as they need and seek help in solving personal, educational, or vocational problems
- .422 Educational Guidance**
Personal help designed to assist students in making wise choices, adjustments, interpretations in educational life
Includes student personnel work and counseling, diagnosing needs by analysis of interviews, tests
- .425 Vocational Guidance**
Assistance given in connection with choosing, preparing for, entering upon, making progress in an occupation
Includes material on "how to get a job," descriptions of specific occupations and careers

371.426**Vocational Education**

Organization Administration Teaching techniques

Education and training in various occupations concerned with agriculture, business, industry, home making

Where interest in education for specific occupations lies chiefly in relation to field of occupation, class in subject field

For So-called "professions" see 378.99 or subject of profession, unless it is desirable to keep all material on education for occupations together

For Vocational rehabilitation, see 371.91

.427**Placement Services of Educational Institutions**

Part of guidance program for students

For Placement of college students working to finance their education see 378.36, of teachers, 371.14

.5**School Government and Management**

Includes classroom management by teachers and students

.52**Attendance**

Includes compulsory education

.53**Rewards**

Competitions, prizes

.54**Punishments****.59****Student Participation**

Includes self government participation in school management, school city

.6**School Plant**

Includes surveys of needs planning building programs for schools of all levels

For School architecture, see 727.1

.61**Play Grounds**

- 371.62 Buildings and Equipment**
Standards Regulations Operation and maintenance
Includes special rooms and buildings (laboratories, gymnasiums, swimming pools), lighting, heating, sanitation, equipment, apparatus
- .64** It is recommended that **School Libraries** be classified in 027.8; **Reading Lists for Children**, 028.5; **College and University Libraries**, 027.7
- .7 School Health**
Includes physical and health education
- .71 Health Service and Supervision**
Includes healthful school living, physical examinations, appraisal of physical fitness, assignment to health classifications, planning for correction of defects, adjustment of school program to physical needs of student, immunization programs and other plans to control communicable diseases, supervision of lunchroom and planned meals, safety measures and instruction
For Management of lunchrooms, see 647.95
- .718** It is recommended that **Open Air Schools** be classified in 371.917
- .73 Physical Education in Schools**
Organization Administration Tests and measurements
Includes gymnastics (tumbling, stunts, apparatus), individual corrective exercise, combatives (boxing), aquatics, out of door activities, (camping, hiking), individual sports (tennis, track, handball), rhythmic (dancing) for all levels of education
For Gymnastics, athletics, sports unconnected with schools, see 796
- .74 Intramural Athletics and Games**
Football, basketball, soccer, baseball
For Athletics and sports unconnected with schools, see 796

-
- 371 75 **Interscholastic Athletics and Games**
 Football basketball
- 76 **Health Education in Schools**
 Instruction in personal and community health first aid
 home nursing sex education
 *For Health education outside of schools see 613 Specific
 subjects included in health education programs the sub-
 ject e.g. Sex education 617 6*
- 8 **Student Life and Extra Curricular Activities**
 Includes schools of all types and levels
- 805 **School Journalism**
 How to run a school paper
 *For Student publications see school publishing them
 teaching journalism 070 7*
- 81 **Student Attitudes and Behavior**
 Includes ethics
- 83 **Student Organizations**
 Includes material on secret and non secret societies
- 85 **Secret Societies**
 For Secret societies not connected with schools see 366
- 87 **Student Housing**
 Management of dormitories houses
- 89 **Other Student Activities**
 Organization Programs Management
 Includes banquets dances pep meetings class days cheer-
 leading
- 895 **School Plays and Pageantry**
 For school use only
 *For drama and creative drama as teaching aids see
 371 33*

-
- 371.9 Special Education for Exceptional Students**
Educational programs planned for those who deviate considerably from normal
Includes programs, practices, trends
- .91 Physically Handicapped**
Includes home, hospital, special school instruction, vocational rehabilitation (formerly classified in 331.86)
For Employment of physically handicapped, see 331.59
- .911 Blind and Partially Sighted**
Instruction in Braille and other systems of reading
Sight saving classes
- .912 Deaf and Hard of Hearing**
Manual and oral instruction Training in speech, speech and lip reading for deaf
- .914 Speech Defectives**
Correction of such speech defects as stuttering, articulating defects due to malformed teeth, palate or to injury to nerve centers, as well as oral inactivity disorders of voice and aphasia
Speech defectives was formerly classified in 371.927
For Speech training for normal voice, see 808.52
- .916 Crippled**
- .917 Delicate**
Includes malnourished incipient tuberculars, cardiacs, epileptics, and others not in perfect health, open air schools (formerly classified in 371.718)
- .921 Mentally Handicapped**
Low I Q's Mentally retarded or subnormal
For Sociological studies of mental deficiency, see 301.46
- .927 It is recommended that Education of Those With Speech Defects be classified in 371.914**

- 371.93 Socially Exceptional**
 Those who violate accepted social codes (delinquents, truants, so-called "problem children")
 Includes special classes and educational programs of parental, state, training schools
For Organization and management of educational work in correctional institutions, see 365.66
- .95 Gifted**
 The high I. Q., bright or superior child, child with special talents
- .96 Exceptional Because of Class Distinction**
 Education of princes, nobility
- .97 Exceptional Because of Race**
 Education of racial minorities who require special educational facilities or create special problems (Indian in America, Chinese in California)
- .974 Negro**
- .98 Exceptional Because of Nationality or Socio-Religious group**
 Education of national, religious or socio-religious minorities who create special educational problems or interests (the Jew in America, the French in Canada)
- 372 ELEMENTARY EDUCATION**
 Principles Organization Curricula Methods Evaluation
 Includes education in both public and private schools from informal preschool education to graduation from grammar school
 Individual schools may be classified with type which they represent
For Organization, methods, discussed from other than the elementary school point of view, see level of school, 373, 374 or 378 or for general discussion, 371
- .2 Early Childhood Education**
 Principles Organization Curricula Methods
 Teacher training

372.21**Kindergarten**

Includes nursery-kindergarten, kindergarten-primary; materials of instruction, development of social attitudes, language, appreciation of music and rhythms; use of play; work periods, songs, stories; works of educators influential in developing kindergartens, e.g. Froebel

.24**Primary Schools**

Includes education in public and private schools from pre-school which stresses free play, handwork, story telling, training in habits to primary or first three grades of grammar school

.242**Grammar or Elementary Schools**

Includes intermediate grades (4, 5, 6), upper grades (7, 8) in the usual type grammar school

For Junior high school, see 373.2

372.3-372.8**EDUCATIONAL PROGRAM IN ELEMENTARY SCHOOLS**

For grades one to eight

.3**Science and Nature Study in Elementary Grades****.4****Reading Spelling**

Includes methods of teaching oral and silent reading of native languages, materials such as primers, first readers, diagnostic and remedial treatment of reading of elementary students

For Elementary readers used to teach reading of foreign languages, see 400, e.g. French first reader, 448.64; Diagnostic and remedial reading for other than elementary school students, 428.4

.42**Spelling****.5****Creative Arts in Elementary Grades**

Includes painting, drawing with different media, modeling, printing, poster work; crafts (weaving, needlecraft, paper work)

372 51 Handwriting**.6 Language Arts in Elementary Grades**

Oral and written

Includes vocabulary building art of conversation dramatics public speaking conduct of meetings letter writing accounts creative composition formal aspects of grammar punctuation capitalization

For Elementary texts for learning foreign languages see 428 2

7 Mathematics in Elementary Grades

Number concepts arithmetic processes of addition subtraction multiplication division fractions problems

Includes diagnostic and remedial arithmetic

8 Other Studies in Elementary Grades

Studies not provided for elsewhere may be divided like 010-099 or arranged alphabetically by subject

83 Social Studies

Citizenship civics safety health geography history studied from viewpoint of relationship of human beings to each other and physical environment in which they live

For Individual social studies see 372 8 e.g. Teaching of geography in elementary schools 372 591 Health education 371 76

9 History of Elementary Education

History Reports Critiques

Includes public and private elementary schools and education

May be divided like 930 999 e.g. History of elementary education in Germany 372 943

373 SECONDARY EDUCATION

Principles Evaluation	Administration	Curricula	Methods
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Includes senior high schools and preparatory schools for boys, for boys and girls; diagnostic and remedial teaching

For Schools for girls only, see 376; Vocational education in secondary schools, 371.426, Guidance work in secondary schools, 371.42

.2 Junior High Schools**.3-.9 History of Secondary Education**

History	Reports	Catalogs
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Includes public and private secondary schools and education

May be divided like 930-999, e.g. The Boston Latin School, 373.744

374 ADULT EDUCATION

Voluntary, purposeful efforts of mature people toward self-development without such efforts becoming major activity

For Special aspects of adult education (education for family and rural life, citizenship, consumer, civic, health, intercultural, vocational education) see specific kind of education, e.g. Vocational education, 371.426; Agricultural extension educational programs, 630.7; College and university extension, 378.13

.1 Self-education for Adults

Directed or undirected home reading and study

For Remedial reading, see 428.4

.2 Techniques and Media of Adult Education

Includes production, distribution, use of educational material suited to purposes of adult education

.21 Adult Education by Special Interest or Natural Groups

Includes men and women's clubs (Junto, League of Women Voters), religious associations (Y.M.C.A.), trade unions

.22 Reading and Reading-discussion Group Technique

Includes People's Guild, Great Books Program

- 374 24 Discussion Group Technique**
Includes pinch symposiums town meetings round tables, forums training for leadership of discussion groups
- 26 Use of Radio in Adult Education**
Includes educational programs of local state college university stations Groups for better listening to develop discrimination and obtain better educational programs
For Use of radio as aid in teaching see 371 333
- .27 Use of Motion Pictures and Television in Adult Education**
Includes use of documentary films films to effect emotional attitudes and impart factual knowledge films in service of business advertising public relations combination of film and discussion (film forums)
For Use of motion pictures as aid in teaching see 371 335
- 4 Correspondence Instruction for Adults**
Includes private correspondence schools U S Armed Forces Institute college and university correspondence courses
For Correspondence courses for specific subjects see subject, e g Correspondence course in shorthand 653
- 8** It is recommended that **Continuation Schools** be classified in 374 91
- .9 Institutional Programs of Adult Education**
For Work of public library in adult education see 021 2 Museums 069 1 Universities and colleges 778 13
- 91 Schools, Centers Institutes, Workshops**
Includes adult schools (folk school Cheltenham school) public school continuation and evening schools for adults and their work with forums discussion groups institutes (Brooklyn Burton) centers (Boston Center for Adult Education)
Continuation schools was formerly classified in 374 8
- 92 Churches**

374.93 Adult Education Councils**. .94-.99 Government Activity in Adult Education**

Local, state, federal programs of adult education

Includes emergency programs, in-service training

May be divided like 940-999

375 CURRICULUM COURSE OF STUDY

Theory and principles Construction Evaluation and revision of curriculum

Curriculum is considered as systematic group of courses or sequence of subjects, or general over-all plan of content or materials of instruction; is differentiated from "course of study" which is considered as an official guide to aid in teaching given subjects or areas of study

For Curriculum for specific level of school, see kind of school, e.g. Curriculum for junior high, 373.2; Curriculum of specific subject, 375.01-.9, e.g. Curriculum in the social sciences, 375.3

.01-.9 Curricula and Courses of Study in Specific Subjects

May be divided like 010-999, e.g. Science in the curriculum, 375.5; Courses in English for junior high, 375.42; or arranged alphabetically by subject

For Curricula and courses of study for elementary subjects, see 372.3-.8

Where interest in course of study or curriculum for specific subject area lies with subject, class with subject, e.g. "Science in education; its aim and methods" would probably be more useful in 507 than in 375.5 in a scientific library

376 EDUCATION OF WOMEN

Includes private and public elementary and secondary schools for girls; question of coeducation

.8 Colleges for Women

Description History Handbooks Bulletins Catalogs

.9 History of Education of Women

May be divided like 930-999

377 RELIGIOUS AND MORAL EDUCATION

Includes interrelation of church, state, education; problems and activities peculiar to sectarian schools

For Religion in curriculum or course of study, see 375.2; Catalogs, history of denominational schools, 372, 373, or 378, disregarding denomination; Education of religious workers, 207

.1 Problems of Religious and Bible Instruction

Controversial material on religious and Bible instruction in public schools and non-sectarian private schools

For Religious education, see 268 or 375.2

.2 Character Education

For Moral, ethical, or character education in curriculum, see 375.1

.5 Parochial Schools**.8 Christian Church and Education**

Problems, programs, evaluation of church education

May be divided like 280

For Specific sectarian schools, see level of school, e.g. Georgetown Prep School, 373

.9 Non-Christian Religions and Education

May be divided like 290

378 COLLEGE AND UNIVERSITY EDUCATION

Purpose Scope Curricula Trends

For Curriculum in specific areas, see 375.01-.9; Students' life, 371.8; Higher education for women, 376.8; Methods of college teaching, 371.3

.1 Organization and Administration

Includes public relations, finance, management

.11 Administrative officers

Functions of president, dean, registrar, comptroller, boards of trustees

- 378.12 Faculty**
Includes exchange, academic freedom, other problems peculiar to college and university faculties
For Problems of teaching personnel, e.g. pensions, salary, tenure, teaching load, see 371.1; Theory of academic freedom in democracy, 323.44
- .13 University Extension**
Includes academic and professional programs and courses offered on or off campus, lecture series, services of lecturers to groups, alumni education
For University and college correspondence courses, see 374.4
- .15 Types or Levels of Higher Education**
Includes junior college, undergraduate and graduate work
For Specific institutions of higher learning, see 378.4-9
- .2 Academic Degrees**
Includes requirements for degrees (subjects, residence, examinations, dissertations), honors, academic costume
- .3 Encouragement of Advanced Study and Research**
Includes endowments, foundations, fellowships, scholarships (Carnegie Corporation, Nobel Foundation)
- .36 Student Aid**
Includes loan funds, student aid associations, assistance in finding jobs for self-support
For Placement advice for alumni, see 371.427
- .4-9 Higher Education in Specific Countries or Institutions**
History Reports Catalogs
May be divided like 940-998, or arranged alphabetically by name of institution
For Women's colleges, see 376.8-9
- .99 Professional and Technical Education in Institutions of Higher Learning**
May be divided like classification 010-999
Where interest in professional or technical education lies chiefly in subject field, class with subject

379 EDUCATION AND THE STATE
.1 Public Education

All tax supported education as contrasted with private and parochial education

.11 Financial Administration of Public Education

Expenditures Fiscal policies Costs Accounting
School funds Debt Budgetary practice

.12 Federal and State Aid to Public Education

Includes exemption from taxation, allocation of funds, subsidies, land grants

.13 Local Support of Public Education

Includes taxation, endowments, non resident tuition, bond issues

.14 Public Education Laws and Legislation

May be divided like 930-999

.15 Organization and Administration of Public Education

Includes setting of standards, accrediting question of centralization or decentralization of control

.151 Federal Supervision and Control**.152 State Organization and Administration of Public Education**

Includes activities of state boards of education state superintendents

.153 Local Organization and Administration of Public Education

Functions Powers Duties

Includes elected or appointed county, city, district boards of education, trustees

For Superintendents, principals, supervisors employed locally, see 371.1

.156 Control of Textbooks Used in Public Education

State or local regulation of selection, publication, provision, price of text books used by public education institutions

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- 379.16 Public Institutions of Higher Learning**
Discussion of tax supported colleges and universities
For Specific institutions, see 378.4-.9
- .17 Public Secondary and Elementary Education**
Includes discussions of theory, provisions for, functions of tax-supported secondary and elementary education
For Specific institutions, see level of school, e.g. Western High School, 373
- .173 Public Education in Rural Areas**
For Method, curriculum, see subject, e.g. Methods of teaching in rural grade school, 371.3
- .175 Centralization of Public Education Facilities**
Includes consolidated schools, transportation for students
- .2 Illiteracy**
Includes problems caused by illiteracy; surveys, statistics, control of illiteracy
- .4-.9 History of Public Education**
Includes reports of commissions, boards
May be divided like 940-999
For History of education in general, see 370.9; History of specific types or levels of education, type or level, e.g. History of adult education movement, 374.09; History of elementary education in U S, 372.973

380 COMMERCE

Trade or exchange of commodities

For Commercial law, see 347.7; Commercial geography, 911.3

380.1 Commercial Theory

It is recommended that Material more properly related to Production and Economic policy be classified in 338, e.g. Business cycles, 338.54; Government corporations, 338.74; Public utilities, 338.39

381 DOMESTIC TRADE

Exchange of commodities within a country

Includes interstate commerce; domestic trade practices, barriers, regulations; trade associations

382 INTERNATIONAL TRADE

Trade between countries or between mother country and colony
Includes foreign trade practices, trading companies

For Protection and regulation of international trade, trade agreements, see tariff policy, 337; Shipping and commercial routes, 387.5

.5 Import Trade

Collection of commodities from abroad for distribution by home traders

.6 Export Trade

Sending commodities produced or collected in home country to countries abroad
Includes balance of trade

383 POSTAL COMMUNICATION

Transport of mail by rail, air, ocean facilities

.1 Postal Services

Includes classes of mail, mail rates, mail delivery

.2 Postage Stamps

.22 Philately

Collection and study of stamps, stamped envelopes

383.4 Postal Systems

Includes international mail systems

.49 National Postal Systems

May be divided like 930-999, e.g. Postal system of England, 383.4942

384 COMMUNICATION

Administration (companies, stations)	Regulation Services	Finance	Facilities (com- panies, stations)
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Transmission of ideas and information

Includes telecommunication

For Mass communication, see 301.243; Electric communication engineering, 621.38

.1 Telegraphy

For Telegraph engineering and operation, see 621.382

.5 Radiocommunication

For Radio engineering and broadcasting, see 621.384

.55 Television Communication

For Television engineering and broadcasting, see 621.388

.6 Telephony

For Telephone engineering and operation, see 621.385

385 TRANSPORTATION

Administration (vehicles, terminals)	Regulation Services	Finance	Facilities (routes, vehicles, terminals)
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Conveyance of persons and goods

Includes traffic or business of transportation, competition between transportation systems; reports of Interstate Commerce Commission, public service commissions

For Transportation engineering, see 625; Transportation insurance, 368.2; Architecture of transportation terminals, 725.3; Channels of Communication in city planning, 711.7

- 385.1 Railroad Transportation**
 Administration Regulation Facilities (routes, trains, terminals) Services History
 Transportation and traffic on all types of rail routes
 Includes street railroads (formerly classified in 388.4)
For Railroad engineering, see 625.1
- .13 Railroad Finance**
 Includes valuation, subsidies, taxation of railroads
- .132 Railroad Rates**
 Determination and regulation of passenger, express, freight rates
- .2 Railroad Companies**
 Includes trains, schedules, services, private car companies (Pullman, Express)
For Rolling stock, see 625.2; Railroading, 625.27
- 386 INLAND WATERWAY TRANSPORTATION**
 Administration Regulation Finance Facilities (routes, vessels, terminals) Services
 Transportation and traffic on inland water routes (rivers, lakes, canals)
For Inland waterway engineering, see 627.1
- .3 River Transportation**
- .4 Canal Transportation**
- .5 Lake Transportation**
- .8 Inland Ports and Harbors**
For Ocean and inland ports treated together, see 387.1; Harbor engineering, 627.2; Port engineering, 627.3
- 387 MARINE TRANSPORTATION**
 Administration Regulation Finance Facilities (routes, ships, terminals) Services
 Transportation and traffic on ocean routes
For Marine engineering, see 623.87

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- 387.1 Ocean Ports and Harbors**
Port and terminal facilities
Includes inland and ocean ports treated together
*For Inland ports, see 386.8; Harbor engineering, 627.2;
Port engineering, 627.3*
- .11 Port Guides**
Includes port regulations, charges
- .12 Individual Ports and Harbors**
Includes river, bay, combination, open roadstead ports
- .13 Free Ports and Harbors**
Foreign-trade zones
- .2 Ship Registers**
Includes lists of vessels; their classification, rating, tonnage
- .5 Merchant Marine**
Water-borne commerce
For Maritime law, see 347.7; Marine insurance, 368.22
- .51 Shipping**
Water transport or carrying business
Includes shipping practice (cargo handling stowage) long-shoremen or stevedores
- .52 Trade Routes**
Ocean routes for commerce
- .522 Intercoastal Routes**
Routes for international trade
For International trade, see 382
- .524 Coastwise Routes**
Routes for trade between ports of the same country
For Domestic trade, see 381
- .54 Steamship Lines**
Includes ocean liners, schedules, services
- .55 Salvage**
Includes underwater salvage operations (submarine diving)

387 7 AIR TRANSPORTATION

Administration Regulation Finance Facilities (routes
airliners terminals) Services

Commercial aeronautics or transportation and traffic on air
routes

For Aeronautics see 629 1

72 Airways

Aerial routes or connecting links between airports
Includes route accessories (beacons markers)

73 Air Terminals

Includes airports landing fields

74 Air Lines

Includes air liners schedules services

388 HIGHWAY TRANSPORTATION

Administration Regulation Finance Facilities (routes
motor vehicles terminals) Services

For Highway engineering see 625 7

3 Automotive Transportation

Motor bus taxicab trucking companies their motor carriers
schedules services

*For Automotive engineering see 629 2 Traffic engineering
625 79*

4 It is recommended that **Street Railroad Transportation** be
classified in **385 1**

389 STANDARDIZATION

Includes standardization of weights and measures

For Time systems and standards see 529 7

390 CUSTOMS

Customs are habits and conventions that have become traditional

For Social psychology, see 301.1; Social institutions, 301.4; Cultural anthropology, 572.7

390.9 National Customs

May be divided like 930-999

391 COSTUME AND ACCESSORIES

Includes hairdressing, wigs, beards, shoes, canes, hats, veils, fans, buttons, other ornaments

For Fashions, see 646.01; Costuming and costume designs for theatrical production, 792.02; Jewelry, 739.27

.09 History of Costume

392 CUSTOMS OF LIFE CYCLE

Includes customs attendant upon birth, naming, circumcision, reaching maturity, betrothal, marriage, death (formerly classified in 393)

For Christian rites, see 265; Rites in comparative religion, 291; Judaic rites, 296.4; Marriage and family, 301.42, Ethics applied to family, 177; Cultural anthropology, 572.7; Sex problems, 301.424-.426, War customs, 399

393 It is recommended that TREATMENT OF DEAD be classified in 392

394 POLITICAL AND SOCIAL CUSTOMS

Includes eating, processions, parades, carnivals, tournaments, fireworks; ceremonies for coronation of rulers; inauguration ceremonies for executive officers; dueling, suicide customs

For Dances, see 793.3; Special dress, 391; Suicide, 301.46; Special day programs in schools, 371.36

.2 Holidays

Comprehensive treatment of holidays

Includes origin of celebration, types of holidays (French holidays, patriotic holidays, summer holidays)

- 394 26 Celebration of Holidays**
Plans and specific programs for celebration of separate holidays (Christmas New Year Memorial Day Independence Day)
May be arranged alphabetically by name of day
- 395 ETIQUETTE**
Codes of social procedure and conduct
For Applied ethics see 177
- 396 WOMAN'S POSITION IN SOCIETY**
It is recommended that it is much material as possible on this subject be classified in the more specific subject e.g. Position of women in Christian church 261 8 Women of Bible 220 92 Political status of women 374 3 Employment of women 331 4 Education of women 376 Leaving 396 for comprehensive works or for special collections
- 397 GYPSIES**
It is recommended that *Romany* language be classified in 491 4
For Minority groups see 301 45
- 398 FOLKLORE**
Includes riddles proverbs popular cries
For Mythology see 771 Children's stories 800 Cultural anthropology 572 7 Imagines 400 Folk songs 754 4
- 2 Legends and Folk Tales**
Narrative prose
- 21 Folk Tales**
Tales handed down by word of mouth among common people
Includes tales of animals magic romance stupid people tall tales
- 22 Legends of Human Beings**
Narrative founded on tradition with some intermixture of fact
Includes secular heroes (Arthur Charlemagne Cid) outlaws (Robin Hood Jesse James Captain Kidd)

398.23

Legends of Places

Includes legends of mountains, caves, ruins, rivers, cemeteries, lovers' leaps

.3

Beliefs or Superstitions

Includes explanation or description of magic, curse, charm, prayer; of certain words, letters, signs, colors, numbers, emblems; medicines, remedies, predictions, dreams

For Beliefs concerning life cycle, see 392

.4

It is recommended that **Supernatural Beings (Fairies, Elves, Ogres, Monsters)** be classified in 398.2-.3

.5

It is recommended that **Chapbooks** be classified with **History of Books**, 655.4

.6

Riddles

.8

Folklore in Rimes and Games

Includes game verse (counting out rimes), nursery rimes

For Music, see 780; Poetry, 800

.9

Proverbs

Saying which has become current and traditional (new broom sweeps clean, as white as snow, never too late to mend)

399

CUSTOMS OF WAR

Includes war dances

400 Linguistics

400-410 COMPARATIVE AND GENERAL LINGUISTICS

This scheme may be applied as needed to language families or specific languages, as illustrated by the expansion for English 420-429

For Form divisions 01-07-09 see p. h. 08 follows

408 COLLECTIONS ARTIFICIAL UNIVERSAL LANGUAGES

- 9 **Constructed and Other International Auxiliary Languages**
- 91 **Volapuk**
- 92 **Esperanto**

410 COMPARATIVE LINGUISTICS

For Individual language, see language, c.g. German semantics, 432

411 WRITING

412 ETYMOLOGY SEMANTICS

413 LEXICOGRAPHY POLYGLOT
DICTIONARIES

414 PHONOLOGY

For Physiology of speech, see 612.78

415 GRAMMAR MORPHOLOGY SYNTAX

416 It is recommended that PROSODY be classified in 808.1

417 INSCRIPTIONS PALEOGRAPHY

For Early rare manuscripts, see 091; English palaeography, 421

418 TEXTS

419 LANGUAGE COMMUNICATED OTHER-
WISE THAN BY WORDS OR LETTERS OF
AN ALPHABET

Includes sign language, picture language, hieroglyphics

For Communication for deaf mutes, see 371.912

420 ENGLISH LANGUAGE

*For Texts for learning English as a foreign language, see 428.24;
Elementary school texts, 372.6; Form divisions 1–9, p. lv*

421 WRITING

Includes paleography, inscriptions

For Handwriting, see 652.1; Handwriting in elementary education, 372.51

.1 Alphabet

.4 Spelling Variations

Includes phonetic alphabets and spelling, and spelling reform

For Spelling books, see 428.1, Spelling books in elementary education, 372.42

.5 Pronunciation

.8 Abbreviations

For Shorthand, see 653; Codes, 652.8

.9 Punctuation

Includes capitalization

422 DERIVATION

Origin and law of English language Derivation of various parts of speech, e.g. noun, verb forms, prefixes, suffixes, reduplication

Includes Semantics (meaning)

For General semantics, see 190

423 DICTIONARIES

Dictionaries in English

Includes lexicography, vocabulary

.1 Idioms

.2–9 Two-way Dictionaries

Dictionaries in which English is the less known language, e.g. English-Portuguese dictionary in a Brazilian library, 423.69

May be divided like 420–499

For Two-way dictionaries where English is better known language, see the other language, e.g. in an American library English-French dictionary, 443.2; German-English, 433.2

424 SYNONYMS, HOMONYMS, ANTONYMS**425 GRAMMAR**

It is recommended that **Texts for Learning Mother Tongue** be classified in 428

.1 Morphology and Inflection**.2 Syntax**

Includes arrangement of words, parts of speech

426 It is recommended that **PROSODY** be classified in 808.1

427 PATOIS SLANG DIALECTOLOGY**.02 Middle English (1101-1500)**

For Old English, see 429; Modern English, 420's

.09 Slang

For American-English slang, see 427.9

.1-8 Dialects

May be divided like 942.1-8, e.g. Cockney dialect, 427.1

.9 Dialects not Provided for Above

Includes American-English, New Zealand-English

428 TEXTS FOR LEARNING ENGLISH LANGUAGE

Designed primarily for use outside elementary schools for those who need the rudiments of or correction in oral or written English

For Texts for learning other languages, see language, e.g. Elementary French Reader for Americans, 448.64

.1 Spelling Books

For Spelling books designed for use in elementary schools, see 372.42

.2 Elementary or "First" Books

Combined grammar, composition, vocabulary and exercises for use by those whose native language is English

For Language arts in elementary schools, see 372.6; Elements of English grammar, 425; English composition, 808

-
- 428.24 **"First" Books for Those Whose Mother Tongue Is Not English**
- .25 **Modifications of English**
 Includes Basic English
- .3 **Use of Words**
 Includes errors of speech: vulgarisms
 For Slang see 427.09 Synonyms, 424 Vocabulary, 423
- .4 **Remedial Reading**
 Includes reading beyond elementary
- .6 **Elementary or "First" Readers**
 Combined literary selections or compositions, vocabularies and exercises for use by those whose native language is English
 Includes adult education readers
 For English composition see 805 *Reading in elementary schools* 372.4
- 64 **Readers for Those Whose Mother Tongue is Not English**
- 429 **OLD ENGLISH (ANGLO SAXON), 500-1100 AD**

430 GERMAN

431-439 may be divided like 420; expansion in 437 and 439 follows.

- 437.01 Old High German to 1100**
- .02 Middle High German 1101-1500**
- .9 Yiddish**

Yiddish was formerly classified in 492.49

439 GERMANIC LANGUAGES

Includes Frisian, Anglo Frisian, Old Saxon, and Gothic

- .3 Netherlandish and Low German Dialects**
- .31 Dutch**
- .32 Flemish**
- .36 Afrikaans**
- .4 Plattdeutsch (Modern Low German)**
- .5 Scandinavian**
- .6 Old Norse Icelandic Faroese**
- .7 Swedish**
- .8 Danish Norwegian**
- .81 Danish**
- .82 Norwegian**

440 FRENCH

For Romance languages, see 479 1

441-449 may be divided like 420, expansion in 447 and 449 follows

- 447.01 Old French (to 1400)**
- .02 Middle French (1401-1600)**
- .03 Modern French (1601-1850)**
- .9 Canadian and Creole French**
- 449 PROVENÇAL**
- .9 Catalan**

450 ITALIAN

For Romance languages, see 479.1

451–459 may be divided like 420; expansion in 457 and 459 follows:

- 457.01 Old Italian (to 1300)**
- .02 Middle Italian (1301–1600)**
- .03 Modern Italian (1601–1875)**

459 RUMANIAN

- .9 Romansch (Rhetic)**

460 SPANISH

For Romance languages, see 479 1

461–469 may be divided like 420, expansion in 467 and 469 follows

- 467.01 **Old Spanish (to 1100)**
- .02 **Middle Spanish (1101–1600)**
- .03 **Modern Spanish (1601–1850)**

469 **PORTUGUESE**

- .701 **Old Portuguese (to 1100)**
- .702 **Middle Portuguese (1101–1600)**
- .703 **Modern Portuguese (1601–1850)**
- .9 **Galician**

470 LATIN

For Classical languages, see 489.1

471–479 may be divided like 420; expansion in 477 and 479 follows:

- 477.01 **Old Latin (to 80 BC)**
- .02 **Classical Latin (81 BC–117 AD)**
- .03 **Post-classical Latin**
- .05 **Vulgar Latin**
- 479 **OTHER ITALIC MEDIEVAL AND MODERN**
 LATIN (CHURCH LATIN)
- .1 **Romance Languages**

480 GREEK

For Classical languages, see 489 1

481–489 may be divided like 420, expansion in 487 and 489 follows.

- 487.01 **Classical Period**
- .02 **Hellenistic Period**
- .03 **Biblical Period**
- .04 **New Testament Period**
- .05 **Medieval Period**
- 489 **HELLENIC GROUP MODERN GREEK**
- .1 **Classical Languages**

490 OTHER LANGUAGES

Includes Oriental languages

491 INDO-EUROPEAN LANGUAGES

INDO-HITTITE

491 54 62, 66, 7, 81, 84, 85, 86, 92, 93 may be divided like 420

- .1 **Indo-Iranian Indic**
- .2 **Old Indic Sanskrit**
- .3 **Prakrit Pali**
- .4 **Modern Indic**
 Includes Hindi, Urdu, Bengali, Marathi, Gujarati, Hindustani, Panjabi, Sindhi, Romany (formerly classified in 397)
- .5 **Iranian**
 Includes Avestan, Old Persian, Baluchi, Pamir dialects, Pashto
- .54 **Armenian**
- .55 **Modern West Iranian (Modern Persian)**
- .6 **Italo-Celtic Celtic**
 Includes Gaelic, Scotch Gaelic, Cornish, Breton, Welsh
- .62 **Irish**
- .66 **Welsh**
- .69 It is recommended that Basque be classified in 499.9
- .7 **Slavic Russian**
- .7701 **Old Russian (1101-1550)**
- .7702 **Middle Russian (1551-1750)**
- .7703 **Modern Russian (1751-1920)**
- .79 **Ukrainian**
- .8 **Windish Moravian Slovak Croatian Polabian**
- .81 **Bulgarian**
- .82 **Serbian**

-
- 491.84 **Slovene**
- .85 **Polish**
- .86 **Czech (Bohemian)**
- .9 **Baltic**
 Includes Old Prussian, Latvian
- .92 **Lithuanian**
- .93 **Lettish**
- .99 **Other Indo-European Languages**
 Includes Hittite and its group, e.g. Anatolian (Hittite proper, Hieroglyphic Hittite, Luwian, Lycian, Lydian); Tokharian, Kuchean
- .991 **Thraco-Illyrian**
 Includes Albanian, Illyrian, Thracian, Phrygian
 For Armenian, see 491.54
- 492 **SEMITIC LANGUAGES**
 492.1-9 may be divided like 420
- .1 **Aramaic**
- .19 **Assyrian Babylonian**
- .2 **Chaldean**
- .3 **Syrian language**
- .4 **Hebrew**
- .49 It is recommended that **Yiddish** be classified in 437.9
- .5 **Samaritan**
- .6 **Phoenician Punic Carthaginian**
- .7 **Arabic**
- .8 **Ethiopian**
 Includes Ge'ez, Tigrinya, Tigré, Amharic, Gafat, Harari, Gurage
 For Hamitic Ethiopian languages, see 493.5
- .9 **Himyaritic (Mineo-Sabean)**
 Includes Sabean, Mincan, Mahra, Soqatra, Qataban, Awsan, Libyanite, Thamudian, Safaitic

493 HAMITIC LANGUAGES

493.1-.2 may be divided like 420

.1 Old Egyptian**.2 Coptic****.3 Libyan or Berber Group**

Includes Algerian Kabyle, Mozabi, Moorish, Touarik or Touarcg

.5 Hamitic Ethiopian (Cushitic)

Includes Somali, Galla, Bcja (Bedawye), Afar, Saho, Agaw (Aghagha)

**494 TUNGUZIC, MONGOLIC, TURKIC,
SAMOYED, FINNO-UGRIC AND
HYPERBOREAN LANGUAGES****.1 Tunguzic**

Includes Tungus proper, Lamut, Manchu

.2 Mongolic

Includes Kalmuk, Buryat

.3 Turkic

Includes Yakut, Uryanhay (Uigur), Kirghiz, Nogay, Turkmen, Chuvash

.35 Turkish Proper (Osmanli)

May be divided like 420

.4 Samoyed

Includes Yurak, Yenisey, Tawgi, Ostyak (Samoyed), Kamas

For Ostyak (Ugric), see 494.5

.5 Finno-Ugric

Includes Obi-Ugric, Vogul, Ostyak (Ugric) Finnic or Volga, Mordvinian, Cheremiss, Zyrian or Komi, Votyak or Udmurt, Karilian

494.511-.55 may be divided like 420

.511 Hungarian (Magyar)

-
- 494.531 **Permian**
- .541 **Finnish**
- .545 **Estonian**
- .55 **Lappish**
- .6 **Hyperborean (Paleoasiatic)**
 Includes Yukaghir, Chukchean, Gilyak, Ainu
- .8 **Caucasic Dravidian**
 Caucasic (formerly classified in 499.96) includes Chechenian, Circassian, Kartvelian, Georgian, Mingrelian, Laz, Svan
 Dravidian includes Tamil, Malayalam, Kanarese, Tulu, Kodagu, Kota, Toda, Telugu, Gondi, Kandi
- 495 **SINO-TIBETAN, JAPANESE-KOREAN,
 AUSTRO-ASIATIC**
 495.1-.95 may be divided like 420
- .1 **Chinese**
- .4 **Tibetan**
- .5 **Himalayan**
- .6 **Japanese**
- .7 **Korean**
- .8 **Burmese**
- .91 **Siamese**
- .92 **Annamese**
- .95 **Munda**
- 496 **AFRICAN LANGUAGES**
 For *Ethiopic languages*, see 492.8, *Hamitic languages*, 493
- .1 **Bushman-Hottentot**
 Bushman language was formerly classified in 496.2
- .2 It is recommended that **Bushman** language be classified in 496.1
- .3 **Bantu**
- .4 **Guinean**

496.5 **Sudanese**

497 **NORTH AMERICAN LANGUAGES**

Based on G. L. Trager A bibliographic classification system
for linguistics and languages Studies in Linguistics, v. 3 1945

.1 **Eskimoan**

.15 **Aleutian**

.2 **Na-Dene: Haida, Dene**

Includes Tlingit; Athabaskan (Athapaskan); Chipewyan,
Apachean, Navaho, Chiricahua, Mescalero, Jicarilla, Kiowa
Apache

.3 **Algonkian-Mosan: Algonkian-Ritwan, Beothuk, Kutenai,
Mosan**

Includes Mikmak, Abnaki, Delaware, Natick, Cree, Wiyot,
Nootka, Kwakiutl, Salish, Kalispel

.4 **Macro-Penutian: Penutian, Azteco-Tanoan, Tunican,
Mayoid, Totonac**

Includes Coos, Tsimshian, Mixe, Salapitian, Nez Percé, Sho-
shoni, Nahuatl, Taos, Maya, Yucatec, Pokonchi, Chinook,
Klamath, Pima Alto (Papago, Pato, Himeri)

.5 **Hokan-Siouan: Hokan-Coachuiltecan, Yukian, Keresan,
Iroquois-Caddoan, Siouan-Muskogean**

Includes Yuman, Huron, Mohawk, Seneca, Cherokee, Dakota,
Santee, Taensa, Old and New Creek (Muskogee), Timukian,
Choctaw (New)

.6 **Macro-Otomanguean: Otomanguean, Mixtecan, Zapotecan,
Chinantecan**

Includes Otomi, Mazahua, Popoloca, Chocho, Mazatec,
Chorotegan, Chiapanec, Mixtec, Chatino

.7 **Tarascan**

.8 **Miskito-Matagalpan: Miskito (Mosquito), Suman,
Matagalpan**

Includes Mam (Miskito), Uka, Tawahkan, Panamakan, Ku,
Bambana, Baymunana, Cacaopera

498 SOUTH AMERICAN LANGUAGES

- Includes Chibchan, Kechuan, Aymara, Cunza-Diaguta, Al-lentiac, Milcayac, Tucano

499 AUSTRONESIAN

For Austro-Asiatic languages (Annamesc, Munda), see 495

.1 Papuan**.2 Indonesian**

Includes Malagassy, Philippine languages (Tagalog), Chamorro (Marianas-Saipan), Javanese, Malay

.4 Polynesian

Hawaiian, Rapaui (Easter Islands)

.5 Melanesian Micronesian (Isolated Islands)**.6 Australian****.9 Other Languages**

Includes Basque (formerly classified in 491.69)

.96 It is recommended that Caucasian Languages be classified in 494.8

500 Pure Science

For Specific subjects in Pure science, see 510–590, e.g. Inorganic chemistry, 546; Atomic physics, 539; Applied science, 600; Form divisions 1–9, p. lv

510 MATHEMATICS

For Form divisions 1-7 9, see p lv, exception in 8 follows

- 510.81 Computation Instruments and Machines**
Where interest in computation machines lies chiefly with electronics, class in 621.34
- .85 Mathematical Tables**
Includes collections elementary functions
- 511 ARITHMETIC**
- .2 Number Theory**
For Algebraic number theory, see 512.81, Analytical number theory 518.5
- .8 Mercantile Rules**
Includes interest tables mensuration
- 512 ALGEBRA**
Includes high school and elementary algebra
- .5 Combinatory Algebra**
Permutations combinations partitions
- .8 Abstract Algebra**
Includes determinants matrices quaternions (theory of forms), invariant theory
- .81 Algebraic Number Theory**
- .82 Theory of Equations**
- .85 Algebraic Theory of Vectors and Quaternions**
- .86 Group Theory**
Includes continuous groups transformations substitutions
- .88 Invariant Theory**
- .89 Special Topics in Algebra**
Includes lattices rings ideals
- 9 Problems in Algebra**

513 GEOMETRY

Inclusive material on plane and solid geometry

Includes n-dimensional Euclidean synthetic geometry

For Descriptive geometry, see 515; Mechanical drawing, 744

.01 Foundations and Philosophy of Geometry**.1 Elementary Plane Euclidean Synthetic Geometry****.3 Elementary Solid Euclidean Synthetic Geometry****.5 Advanced Euclidean Synthetic Geometry**

Plane and solid

.8 Non-Euclidean Geometry**.83 Combinatorial Topology (Analysis Situs)****514 TRIGONOMETRY****515 DESCRIPTIVE GEOMETRY****516 EUCLIDEAN ANALYTIC GEOMETRY****.5 Projective Geometry (Analytic and Synthetic)**

Includes special configurations (curves and surfaces)

.7 Differential Geometry**.8 Vectors Tensors Quaternions****.9 Problems in Geometry****517 CALCULUS**

Includes elementary, advanced calculus

.1 Theory of Functions of Real Variable

Includes development of number system, theory of sets, transfinite numbers; functional analysis (Hilbert space); theory of measure

.2 Series, Products and Other Infinite Expansions

Includes divergent series, summability methods, orthogonal series, Fourier series

.3 Integration and Differentiation

Includes theory and tables of integrals

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- 517.35 It is recommended that **Bessel Functions** be classified in 518.3
- .36 It is recommended that **Elliptic Functions** be classified in 518.4
- .37 **Integral Equations**
- .38 **Elementary Differential Equations**
Ordinary and partial
- .4 **Calculus of Variations**
- .6 **Finite Differences**
Includes numerical analysis; nomography and graphical methods
- .7 **Operational Methods**
Includes Fourier integrals, Fourier and Laplace transformations
- .8 **Theory of Functions of Complex Variables**
Includes theory of functions of several complex variables and special topics in analysis
- .9 **Problems in Analysis**
- 518 **SPECIAL FUNCTIONS**
- .1 **Gamma Functions**
- .2 **Legendre Functions**
- .3 **Bessel Functions**
Formerly classified in 517.35
- .4 **Elliptic Functions and Integrals**
Formerly classified in 517.36
- .5 **Riemann-zeta Functions and Analytical Theory of Numbers**
- 519 **PROBABILITY**
- .1 **Philosophical Foundations and History of Probability**
- .8 **Treatment of Experimental Data**
Includes least squares

519.9 Mathematical Theory of Statistics

. Where interest in mathematical statistics lies chiefly in statistics, class in 311.2

.92 Design of Experiments**.93 Mathematical Theory of Sampling**

Includes theory of quality control

520 ASTRONOMY

521 CELESTIAL DYNAMICS

Includes theoretical astronomy orbits perturbations

For Law of gravitation, see 530 1, Motions of individual bodies, 523, 525

522 OBSERVATORIES AND INSTRUMENTS

Includes photometer spectroscopic, bolometer

.1 Observatories

.2 Telescopes

.5 Auxiliary Instruments

.6 Observational Techniques

Includes photometry, photography, polarimetry, spectroscopy

523 DESCRIPTIVE ASTRONOMY ASTROPHYSICS

Descriptive astronomy is general description of celestial bodies and astronomical laws Astrophysics deals principally with physical and chemical nature of heavenly bodies

Includes so called popular astronomy

.1 Universe

Includes structure of galactic system cosmogony theory of origin and evolution of part of universe (formerly classified in 113)

.2 Solar System

Includes motions of solar system, constitution of planetary system

.3 Moon

Includes motion surface features (atmosphere, craters), size, height, light, eclipses physical condition

.4 Planets

Distance motions physical condition

.5 Meteors and Zodiacal Light

Includes meteorites

- 523.6 Comets**
 Orbits, physical constitution, remarkable comets
- .7 Sun**
 Includes dimensions, motions, internal constitution
- .72 Heat and Light**
 Includes solar radiation
- .74 Physical Appearance**
- .77 Spectrum**
- .78 Eclipses**
- .8 Stars**
 Includes physical constitution
- .81 Stellar Parallax Distance**
- .82 Heat and Light Magnitudes**
- .83 Proper Motions Radial Velocity**
- .84 Variable, Double, Multiple Stars**
 Includes novae
- .85 Clusters**
- .87 Spectrum**
- .89 Constellations Maps Catalogs**
- 524** It is recommended that **ASTRONOMICAL MAPS AND TABLES** be classified with specific subjects, e.g. **MAPS OF STARS, 523.89; OBSERVATORY PUBLICATIONS, 522.1**
- 525 EARTH**
- .1 Constants**
 Mass, weight, density, distance from sun, parallax, shape, dimensions
 For Determination of size and shape of the earth, see 526.1
- .3 Orbits and Motions**
- .5 Seasons**

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- 525 6 Tides**
Includes mathematical theory
- 69 Tide Tables**
- 526 GEODESY**
Science of measuring portions of earth's surface by triangulation and astronomical observations; determination of magnitude and figure of the earth
- .1 Determination of Properties, Size and Shape**
Includes determination of geoid by deflections of the vertical of spheroid by geodetic astronomical method of flattening by gravity measurements; astronomical methods
For Isostasy see 551 15
- 2 Geodetic Work Completed or Projected**
Includes lists of geodetic data; operations in various countries
- 3 Geodetic Surveying**
- 31 Reconnaissance Surveys**
- 33 Triangulation**
Includes base and precise traverse measurements; angle measurements; triangulation; computation and adjustment (formerly classified in 526 4)
- 36 Precise Spirit Leveling**
Includes instruments; field method; orthometric and dynamic theory; computation and adjustment of observations; general questions of mean sea level
- 38 Trigonometrical Leveling**
Geodetic refraction
Zenith distances (observations; calculations and adjustment)
- 4 It is recommended that Computation of Triangulation be classified in 526 33**

526.6 Geodetic and Positional Astronomy

Includes application of spherical astronomy to geodesy resulting in geodetic latitude, longitude, azimuth; considerations in accurate measurement of positions of bodies or points on celestial sphere (relative deflections of the vertical, topographic and isostatic reductions, Laplace stations and their use in triangulation)

For Astronomical latitude, longitude, azimuth, see 527

.7 Physical Geodesy

Study of gravity and gravitation; determination of intensity of gravity

Includes methods, instruments

.8 Cartography

Compilation, drafting, editing of maps and charts; map reproduction

For Military sketching, map making and reading, see 623.71

.9 Surveying

Obtaining data for maps

For Geodetic surveying, see 526.3

.91 Plane Surveying

Includes instruments, methods

.92 Boundary Surveying**.98 Topographic Surveying**

Use of contours or comparable symbols on maps to show physical features, e.g. mountains, valleys, plains

Includes photogrammetric methods (field methods and instruments, office methods and plotting instruments)

For Military photogrammetry, see 623.71

.99 Hydrographic Surveying**527 CELESTIAL NAVIGATION**

Determining position of ship from observations of heavenly bodies

Includes astronomical latitude, longitude, azimuth

For Air navigation, see 629.125; Navigation, 623.89

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- 528 NAUTICAL ALMANACS AND EPHEMERIDES**
For Air almanacs, see 629 125
- 529 MEASUREMENT OF TIME**
Includes sidereal and solar day
- .2 Intervals of Time**
Includes eras, kinds of years, months, weeks, decades
- .3 Calendars**
Includes ancient and non Christian calendars
- .4 Christian Calendars**
- .5 Projected Reform of Calendar**
- .7 Determination of Time**
Includes methods, time systems and standards, instruments
(dials, hourglasses, clocks, watches)
*For Construction and repair of time measuring instruments,
see 681 1*

530 PHYSICS

530.1 **Theory of Physics**

Includes statistical mechanics, wave mechanics, quantum mechanics, relativity, gravity (formerly classified in 531.5)

For Theory of thermodynamics and statistical mechanics, see 536.1

531 **MECHANICS OF SOLIDS**

For Thermodynamic properties of solids, see 536.43

.2 **Rigid Bodies**

Includes graphic statics, static equilibrium, kinematics of mechanisms, dynamics of point masses, velocity, acceleration, acceleration of gravity, translation and rotation of rigid bodies

.3 **Elastic Bodies**

Includes stress and strain distribution, elastic instability, vibration, impact

For Engineering properties of materials, see 620.11

.5 **It is recommended that Gravity be classified in 530.1**

532 **MECHANICS OF LIQUIDS**

Use as comprehensive number for Mechanics of fluids (liquids and gases)

For Thermodynamic properties of liquids, see 536.42

.2 **Hydrostatics**

Includes pressure, buoyancy

.5 **Hydrodynamics**

Includes flow in pipes and channels, water waves, cavitation, liquid lubrication

533 **MECHANICS OF GASES**

Includes Kinetic theory of gases

For Meteorology, see 551.5

.1 **Properties of Gases**

For Thermodynamic properties of gases, see 536.44

533.12 Equilibrium Properties of Gases and Vapors

Compressibility vapor pressure

.13 Transport Properties of Gases

Includes viscosity diffusion

.6 Aerodynamics*For Aerodynamics of flight see 629.123***534 SOUND**

Includes acoustics

*For Architectural acoustics see 729.2***1 Generation of Sound Waves****2 Propagation of Sound Waves**

Includes diffraction transmission and absorption of sound waves in continuous media

*For Sound velocity in gases see Mechanics of gases 533***4 Measurements of Sound Waves**

Includes measurement of frequency and intensity

5 Ultrasonics

Includes generation of sound waves above audible range their use in determining properties of material

*For Engineering properties of materials see 620.11***535 OPTICS**

Includes light infrared and ultraviolet radiation

*For Electron optics see 537.1***1 Theoretical Optics****2 Physical Optics****3 Geometrical Optics**

Includes refraction and reflection design of optical instruments

*For Use of optical instruments see 535.5***5 It is recommended that **Polariscope** be classified in 535.8**

- 535.6 Physiological Optics**
Includes light values, vision, color
For Physiology of the eye, see 612.8; Optometry, 617.7
- .65 Luminescence**
Includes fluorescence, phosphorescence
For Fluorescent lighting, see 621.32
- .66 X-rays**
For Application, see subject, e.g. Roentgen rays in medical diagnosis, 616.07; Radiographic testing, 620.112; X-ray determination of crystal structure of matter, 548.83
- .8 Applications of optics**
Includes use of lens, microscope, telescope, spectroscope, polariscope (formerly classified in 535.5)
For Specific application, see specific number, e.g. Interpretation of line spectra, 539.8; Interpretation of band spectra, 539.1; Spectroscopic analysis in Analytical chemistry, 544 and 545.4
- .89 Experimental Optical Techniques**
Includes methods of producing and measuring optical phenomena and properties, transmittance
- 536 HEAT**
- .1 Theory of Thermodynamics and Statistical Mechanics**
For Chemical thermodynamics, see 541.36; Engineering thermodynamics, 621.01
- .2 Transmission of Heat**
Conduction, convection, radiation
For Chemical engineering including heat transfer, see 660.28
- .4 Thermodynamic Properties of Matter**
- .42 Liquids**
- .43 Solids**
- .44 Gases**
- .5 Temperature and Temperature Measurements**

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- 536.56 Cryogenics**
Production of very low temperature; properties of matter at very low temperatures
For Superconductivity, see 537.22
- .57 High Temperatures**
Combustion, explosion
For Fuel technology, see 662.6; Explosives, 662.2; Heating systems, 697
- .6 Calorimetry**
- 537 ELECTRICITY AND MAGNETISM**
Magnetism was formerly classified in 538
For Atmospheric electricity, see 551.56; Terrestrial magnetism, 551.16; Electric measurements, 621.37
- .1 Theoretical Electricity and Magnetism**
Includes electron optics
- .12 Electromagnetic Fields and Waves**
Electromagnetism was formerly classified in 538.3
Includes microwaves, wave guides
For Microwave spectroscopy, see 539.1
- .2 Electrical Properties of Materials**
For Engineering properties of materials, see 620.11
- .22 Dielectrics**
Includes capacitor (condenser), electric dipole moments, conductivity, superconductivity, semiconductors
For Dielectric constants in chemistry, see 541.8; Dipole moments in chemistry, 541.8
- .3 Magnetic Properties of Matter**
For Engineering properties of materials, see 620.11
- .4 It is recommended that Atmospheric Electricity be classified in 551.56**

For Radiation chemistry, see 541.23; Radioactive tracer techniques in analytical chemistry, 545.82

539.753 Transmutations**.76 Nuclear energy**
 "Atomic energy"**.77 Experimental Techniques and Instrumentation**

Includes particle detectors: ionization chambers, counter tubes (Geiger-Muller), expansion chambers (cloud chambers), electrometers, photographic emulsions; special circuits; amplifiers

For Particle accelerators, see 539.73

.8 Atomic Structure

Includes line spectra, atomic energy levels, ionization potentials

540 CHEMISTRY

For Biochemistry, see 574.19; Legal chemistry or forensic ballistics, 364.12; Chemical engineering, 660.28

541 PHYSICAL CHEMISTRY

Laws and theories of chemical reactions and their accompanying physical changes; structure and properties of matter as affected by chemical constitution; chemical effects of radiation and heat on chemical substances

.2 Chemical Structure of Matter

.22 Molecular and Crystal Structure

For Atomic and molecular physics, see 539; Crystallography of minerals, 548

.23 Radiation Chemistry Isotopes Tracer Chemistry

For Nuclear physics, see 539; Radioactive tracer techniques in Analytical chemistry, 545.82

.3 Kinetic Theory of Chemical Change

Chemical and physical processes in relation to atomic and molecular structure

.34 It is recommended that Theory of Solutions be classified in 541.37

.35 Photochemistry

For Preparation and use of chemical materials used in photography, see 771.5

.36 Chemical Thermodynamics

Includes thermochemistry and calorimetry; phase rule and its applications

.37 Electrochemistry and Theory of Solutions

Theory of solutions was formerly classified in 541.34
Includes magnetochemistry

For Industrial electrochemistry, see 660.29; Electrochemical methods in analytical chemistry, 545.3

.371 Theoretical Electrochemistry

.372 Theory of Electrolytic Solutions

541.373 Colligative Properties of Solutions and Theory of Non-electrolytic Solutions

Includes ideal solutions, ebulliometry, cryometry, osmotic pressure, vapor pressure lowering, theories of solubility; ionic equilibria including hydrogen ion and pH

.374 Specific Properties of Solutions

Includes viscosity, surface tension (formerly classified in 541.341); index of refraction, density, optical rotation, polarimetry

.375 Colloid Chemistry and Surface Phenomena

Colloid chemistry was formerly classified in 541.3452
Includes adsorption

.8 Special Subjects in Physical Chemistry

Includes dielectric constants and dipole moments

**542 APPARATUS AND EQUIPMENT FOR
CHEMICAL LABORATORIES**

For Equipment used in specific operations, see applications, e.g. Analytical chemistry applications, 543-545

543-545 ANALYTICAL CHEMISTRY

543 ANALYSIS

Comprehensive works covering both qualitative and quantitative analysis

Includes laboratory apparatus and equipment divided by type of material analyzed, or substance takes precedence over process

.01 Analysis of Pure and Reagent Chemicals

.1 Analysis of Food and Drink

.12 Dairy Products

Where interest in Analysis of dairy products lies chiefly with Dairy industry, class in 637.12, .2, .3

.13 Water

.4 Analysis of Drugs and Medicinals, Cosmetics

.5 Analysis of Insecticides and Poisons

543.6 It is recommended that **Analysis of Minerals** be classified in 549.13; of **Metallurgical Products**, 69.016

.7 **Analysis of Other Inorganic Products**

.8 **Analysis of Other Organic Products**

For Analysis and identification of organic compounds, see 547.6

544 **QUALITATIVE ANALYSIS**

Includes bead analysis, dry method, blowpiping, capillary analysis, flame coloration, gas analysis, microscopical examinations, spectrochemical analysis, spectroscopic analysis

545 **QUANTITATIVE ANALYSIS**

Includes gravimetric and volumetric analysis, microanalysis

.3 **Electrochemical Methods**

Includes polarographic, potentiometric, conductometric

.4 **Spectroscopic Analysis**

.5 **Titrimetric Methods in General**

.7 **Gas Analysis**

Includes radiometric methods

.8 **Other Methods of Quantitative Analysis**

Includes colorimetric, photometric, X ray, chromatographic, polarimetric, mass spectrometric

.82 **Radioactive Tracer Techniques**

546 **INORGANIC CHEMISTRY**

Includes elements and their inorganic compounds, preparation, properties, structure

For Detection, determination, identification of elements and their compounds, see 543

546.1-546.9 ELEMENTS

Compounds may be classified in the group to which the first element of which it is composed belongs

.1 Hydrogen

.12 Halogen Group

Includes fluorine, chlorine, bromine, iodine, astatine

.17 Phosphorus Group

Includes nitrogen, phosphorus (formerly classified in .18), arsenic (formerly classified in .19), antimony (formerly classified in .86), bismuth (formerly classified in .87)

.18 It is recommended that **Phosphorus** be classified in .17

.19 It is recommended that **Arsenic** be classified in .17

.2 Sulfur Group

Includes oxygen, sulfur, selenium, tellurium, polonium (formerly classified in .892)

.25 It is recommended that **Carbon** be classified in .28

.27 It is recommended that **boron** be classified in .66

.28 Silicon Group

Includes carbon (formerly classified in .25), silicon, titanium (formerly classified in .82), zirconium (formerly classified in .83), hafnium (formerly classified in .832)

.29 Rare Gases

Includes helium, neon, argon, krypton, xenon, radon

.3 Alkali Group

Includes lithium, sodium, potassium, rubidium, caesium, francium

546.4 Alkaline Earths Group

Includes beryllium, magnesium, calcium, strontium, barium, radium

It is recommended that **Zinc, Cadmium** be classified in .58
For Radioactive elements, see .6

.5 Germanium Group

Includes germanium (formerly classified in .695), tin (formerly classified in .8), lead

It is recommended that **Thallium** be classified in .66

.55 It is recommended that **Silver** be classified in 546.56

.56 Copper Group

Includes copper, silver (formerly classified in .55), gold (formerly classified in .91)

.58 Zinc Group

Includes zinc (formerly classified in .47), cadmium (formerly classified in .48), mercury

.6 Scandium, Yttrium and Rare Earths

Use for comprehensive material on radioactive elements

Includes scandium, yttrium, lanthanide series or rare earths (lanthanum, cerium, praseodymium, neodymium, promethium, samarium, europium, gadolinium, terbium, dysprosium, holmium, erbium, thulium, ytterbium, lutetium); actinide series or transradium or transuranic elements [actinium (formerly classified in .84), thorium (formerly classified in .84), protoactinium, uranium (formerly classified in .79), neptunium, plutonium, americium, curium, berkelium, californium]

It is recommended that **Germanium** be classified in .5

.66 Aluminum Group

Includes boron (formerly classified in .27), aluminum, gallium, indium, thallium (formerly classified in .52)

.7 Iron Group

Includes iron, cobalt, nickel

.71 Manganese Group

Includes manganese, technetium, rhenium

546.75 Chromium Group

Includes chromium, molybdenum, tungsten

It is recommended that **Uranium** be classified in .6

.8 Vanadium Group

Includes vanadium, columbium, tantalum

It is recommended that **Antimony** and **bismuth** be classified in .17; **Polonium** in .2; **Tin** in .5; **Titanium**, **Zirconium**, **Hafnium** in .28; **Thorium** and **actinium** in .6

.9 Platinum Group

Includes ruthenium, rhodium, palladium, osmium, iridium, platinum

It is recommended that **Gold** be classified in 546.56

547 ORGANIC CHEMISTRY

Includes preparation and properties of carbon compounds

.01 Methods and Techniques**.012 Analysis and Identification of Carbon Compounds**

For Analysis of materials and products, see 543-545

.013 Preparations and Reactions

Includes named reactions, reactions with specific reagents, general types of reactions (oxidation, reduction including hydrogenation), condensation, polymerization

.1 It is recommended that **Carbonogen** be classified in 547.8

.2 Hydrocarbons and Oxygen Derivatives

May be arranged alphabetically, e.g. acids (formerly .7); alcohols (formerly .3); aldehydes (formerly .5); ethers (formerly .4); hydrocarbons, e.g. acetylenes, aromatic (anthracene, benzene, naphthalene), cycloparaffins, diolefins, olefins (ethylene), paraffins (methane); ketones (formerly .6)

.3 It is recommended that **Alcohols** be classified in 547.2

.4 It is recommended that **Ethers** be classified in 547.2

.5 It is recommended that **Aldehydes** be classified in 547.2

.6 It is recommended that **Ketones** be classified in 547.2

.7 It is recommended that **Acids** be classified in 547.2

547.8 Organic Compounds of Individual Elements and Groups of Elements

May be arranged alphabetically, e.g. bromine, chlorine, cyanogen (formerly .1), fluorine, iodine, magnesium, mercury, nitrogen (amides, amines, azo compounds), silicon (silicones), sulfur

Compounds of metals, e.g. mercury, sulfur, were formerly classified in .9

.9 It is recommended that Organic Compounds of Metals be classified in .8

.92 Special Fields of Organic Chemistry

Carbohydrates (sugars, e.g. mono-, di-, and trisaccharides and their derivatives; Polysaccharides, e.g. starch, glycogen, pentosans, dextrans, cellulose, pectin, plant gums, mucilages and their derivatives, glucosides); Dyes and related products; Fats, fatty acids, glycerol; High polymers; Medicinal products (alkaloids, antibiotics, hormones, auxins, vitamins; sterols and related compounds); Petroleum; Proteins and related compounds (amino acids, nucleic acids); Rubber; Synthetic resins; Miscellaneous plant and animal products (pigments, resins, terpenes, essential oils)

548 CRYSTALLOGRAPHY

Study of nature of crystals (mineral or non-mineral; their origin, internal structure, external forms)

For Study of form and properties of minerals, see 549; of metals, 669.016

.1 Symmetry and Crystal Systems

External form of crystals

.3 Chemical Crystallography

Includes isomorphism and polymorphism

It is recommended that **Cleavage** be classified in **548.84**

.5 Crystallization

Process by which crystals and crystalline bodies are formed

For Crystal structure, see 548.8

548.7 Mathematical Crystallography

Includes measurement of interfacial crystal angles

.8 Physical Properties of Crystals

Includes structure of crystals: orderly arrangement of atoms in three dimensional pattern (lattice) within crystal

.83 X-ray Crystallography

Study of crystal structure by X-ray diffraction

.84 Mechanical Properties of Crystals

Includes elasticity, tenacity, cohesion, fracture, hardness, density, cleavage (formerly classified in 548.3)

.85 Electrical, Thermal and Magnetic Properties of Crystals

Includes conductivity, thermoelectrical and pyroelectrical properties

.9 Optical Crystallography

Optical properties of crystals

549 MINERALOGY

Science which describes, classifies, correlates different mineral species

For Use of Minerals, see Economic geology, 553

.1 Physical, Chemical and Determinative Mineralogy**.12 Physical Mineralogy**

Study of physical properties of minerals, e.g. cohesive (cleavage, elasticity, hardness), electrical, magnetic, thermal, optical properties

.13 Chemical Mineralogy

Study of chemical nature of minerals and methods of testing for elements commonly found in minerals

.14 Determinative Mineralogy

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Methods used for distinguishing metals

Includes determinative tables which rely upon chemical and physical tests

549.2-549.8 DESCRIPTIVE MINERALOGY

*Description and classification of minerals based on chemical composition and isomorphous relations
Includes crystal system, crystallography, physical character, chemical composition, occurrence, localities of each mineral*

For Families, groups, species of minerals, see a mineral classification, e.g. Dana's System of Mineralogy

.2 Elements

Includes metals, semi-metals, non-metals, e.g. gold, platinum, antimony, sulfur

.3 Sulfides

Combinations of various metals with sulfur, more rarely with selenium, tellurium, arsenic, antimony, e.g. galena, cinnabar, marcasite

Includes sulfo salts: minerals composed of lead, copper or silver in combination with sulfur and antimony, arsenic or bismuth, e.g. enargite

.4 Halides

Compounds of metals with halogen elements

Includes natural chlorides, fluorides, bromides, iodides, e.g. halite, fluorite

.5 Oxides

Metals in combination with oxygen

Includes anhydrous oxides, e.g. hematite, magnetite, chromite, cassiterite; hydrous oxides, e.g. diaspor, bauxite

.6 Silicates

Combination of various elements (sodium, potassium, calcium, magnesium, aluminum, iron) with silicon and oxygen, e.g. quartz, opal, leucite, talc, amphiboles, tourmaline, beryl, garnet, topaz

549.7

Minerals Containing Other Oxygen Compounds

Includes carbonates, nitrates, borates, phosphates, arsenates, vanadates, sulfates, chromates, tungstates, molybdates, uranates

.8

Organic

Includes amber, asphaltum, lignite, coal

.9

Geographic Distribution of Minerals

550 EARTH SCIENCES

Comprehensive geology or science of the earth
Includes study of all earth materials, forces, processes

For Astronomy, see 520

551 PHYSICAL AND DYNAMIC GEOLOGY

Causes and processes of geological change
Includes geophysics, geochemistry

.1 Descriptive Geology

Structure of earth as a whole

.15 Conditions within the earth

Includes isostasy

.16 Terrestrial Magnetism

Formerly classified in 538.7

For Atmospheric electricity, see 551.56

.2 Diastrophism

Movements of earth's crust

.21 Volcanism

Includes volcanic structures, materials (magma, lava), eruptions, craters, cones

.22 Seismology

Science of earthquakes

Includes seismographic observations, instruments

.3 Gradation

Natural transference of solid material from one part of earth's surface to another

Includes degradation or tearing down and removal of land materials, e.g. erosion, aggradation or construction of new land surfaces, e.g. deposition, sedimentation

.31 Gradation Work of Ice

Includes glaciers, glaciation

.35 Gradation Work of Water

Includes work of underground and running water

- 551.37 Gradation Work of Atmosphere**
Includes weathering, wind work
- .4 Physiography**
Study of earth's surface features
Includes geomorphology, study of origin and development of topographic features
For Geography, see 910
- .41 Continents**
Includes continental shelves
- .42 Islands**
Includes coral reefs (formerly classified in 551.96)
- .43 Mountains and Orology**
Science of mountains
Includes mountain ranges, plateaus, valleys
- .44 Caves and Speleology**
Study, exploration, description of caves
Includes grottoes
- .45 Plains**
Includes prairies and deserts (formerly classified in 551.58)
- .46 Oceans and Oceanography**
Study of ocean and its phenomena
Includes submarine topography
For Marine plants, see 581.92, Marine animals, 591.9
- .48 Inland Waters**
Includes lakes, rivers, waterfalls
- .49 Underground Waters and Hydrology**
Phenomena, properties, laws, distribution of earth's water
Includes springs, wells
- .5 Meteorology**
Science of earth's atmosphere and its physical processes
Includes atmospheric composition, structure
For Medical climatology and meteorology, see 616.98

- 551.51 Circulation of Atmosphere**
Includes air currents, wind systems, e.g. trade winds, prevailing westerlies, monsoons
- .52 Atmospheric Temperature**
Heating and cooling of atmosphere
Includes seasonal temperature changes, measurement of temperature
For Solar radiation, see 523.72
- .54 Atmospheric Pressure**
Includes barometry, determination of atmospheric pressure
- .55 Storms**
Includes cyclones, tornadoes, thunderstorms, hurricanes, typhoons
- .56 Atmospheric Electricity**
Formerly classified in 537.4
For Terrestrial magnetism see 551.16
- .57 Atmospheric Moisture**
Moisture content or humidity
- .572 Condensation and Evaporation**
Includes clouds, fog, drought
- .573 Precipitation**
Includes rain, snow, hail, sleet, dew, frost
- .58 It is recommended that **Prairies and Deserts** be classified in 551.45**
- .59 Climatology**
- .591 Weather**
Includes observation, collection of data, instruments, forecasting
- .6 It is recommended that **Metamorphism** be classified in 552.4**

-
- 551.7 **Historical Geology**
Chronological account of events in earth's history
Includes stratigraphy, relations and succession of rock strata
- .71 **Precambrian Eras**
Includes Archeozoic, Proterozoic eras
- .72 **Paleozoic Era**
- .76 **Mesozoic Era**
- .78 **Cenozoic Era**
- .8 **Structural Geology**
Form and position of rocks
Includes joints, tilts, faults, folds
- .9 It is recommended that **Agents of Geologic Work** be classified with **Geologic Processes**, e.g. **Gradation Work of Water**, 551.35
- .96 It is recommended that **Coral Reefs** be classified in 551.42
- 552 **PETROLOGY**
Origin, occurrence, classification of rocks
- .1 **Igneous Rocks**
Rocks formed by cooling and consolidation of molten matter
- .4 **Metamorphic Rocks**
Rocks that have been changed either in form or composition without disintegration
Includes metamorphism (formerly classified in 551.6)
- .5 **Sedimentary Rocks**
Rocks composed of fragments of other rocks deposited either above or below sea level
- 553 **ECONOMIC AND APPLIED GEOLOGY**
Occurrence, origin, distribution of geologic materials that are valuable to man
Includes prospecting
For Geology applied to specific fields, see fields, e.g. Mining engineering, 622

-
- 553.1 Ore Deposits**
Formation, structure, classification of ores
Includes placer deposits, mineral veins, pegmatites
- .2 Mineral Fuel Deposits**
Includes deposits of peat, lignite, coal
- .28 Petroleum Geology**
Includes natural gas deposits
- .3 Ferrous Ore Deposits**
- .4 Nonferrous Ore Deposits**
Includes deposits of copper, gold and silver, zinc and lead, nickel, platinum, chromium, tin and tungsten, mercury, antimony, aluminum and bauxite, manganese, molybdenum, arsenic, bismuth, cobalt, cadmium, selenium and tellurium, radium and uranium, vanadium, titanium, tantalum and columbium, zirconium, beryllium
- .5 Building Stone Deposits**
Includes deposits of limestone, marble, sandstone, granite, slate
- .6 Earthy Material Deposits**
Includes deposits of clay, sand, gravel, salt, gypsum, diatomaceous earth
- .7 Mineral Water Deposits**
- .8 Gem Deposits**
Deposits of minerals used for ornaments
Includes precious stones, e.g. diamonds, emeralds, rubies, sapphires; semi-precious stones, e.g. garnet, amethyst, topaz, turquoise
- .9 Other Economic Mineral Deposits**

554-559 REGIONAL GEOLOGY

May be divided like 940-999

- 554 **GEOLOGY OF EUROPE**
- 555 **GEOLOGY OF ASIA**
- 556 **GEOLOGY OF AFRICA**
- 557 **GEOLOGY OF NORTH AMERICA**
- 558 **GEOLOGY OF SOUTH AMERICA**
- 559 **GEOLOGY OF OCEANIA AND POLAR REGIONS**

560 PALEONTOLOGY

- 560.17 Stratigraphic Paleontology**
Study of fossil plants and animals correlated with rock formation
- .172 Paleozoic Paleontology**
- .176 Mesozoic Paleontology**
- .178 Cenozoic Paleontology**

561 PALAEOBOTANY

Study of plant life of geologic past

For Fossil plants discussed from viewpoint of geologic eras, see 560.17

- .121 Fossil Spermatophytes**
Includes fossil herbaceous plants, flowering plants, trees, shrubs
For Single species of fossil spermatophytes, see 561.3-.9; Extant plants, 582-589
- .3 Fossil Angiosperms**
Includes dicotyledons
- .4 Fossil Monocotyledons**
- .5 Fossil Gymnosperms**
Includes fossil coniferales (Araucariaceae, Walchia, Voltzia); Cordaitales, Ginkgoales, Cycadophytes (including Pteridosperms, e.g. Alethopteris, Neuropteris, Sphenopteris, Glossopteris, Pecopteris, Caytoniales)
- .7 Fossil Pteridophytes**
Includes Equisetales (Archaeocalamites, Calamites, Schizoneura, Equisetaceae, Sphenophyllales); Filicales (Eufilicinae, Glossingia, Marattiales, Hydropteridaceae); Psilophytales (Psilophyton, Rhynia, Hornea); Lycopodiales (Lepidodendron, Sigillaria)
- .9 Fossil Thallophytes**
Includes Phycophyta or algae (Pachytheca, Parkia, Characeae); Rhodophyta or red algae

562-569 PALEOZOOLOGY

562 INVERTEBRATE PALEOZOOLOGY

563 PROTOZOA, PORIFERA, CNIDARIA,
ECHINODERMATA

Includes micropalaeontology

.1 Protozoa

Includes Radiolaria, Foraminifera

.4 Porifera (Sponges)

Includes Silicispongiae and Calcispongiae

.5 Cnidaria

Cocenterata in modern sense

Includes Hydrozoa, Anthozoa or corals, Graptolites

.9 Echinodermata

Includes Pelmatozoa, Pluteochozoa

564 MOLLUSCA AND MOLLUSCOIDEA

.1 Pelecypoda

Lamellibranchia (bivalves)

.3 Gastropoda (Snails, Slugs)

.5 Cephalopoda (Squid, Octopus, Nautilus)

Includes Ammonites, Nautilus

.7 Bryozoa

.8 Brachiopoda

565 ARTHROPODA

.3 Crustacea

Includes Branchiopoda, Ostracoda, Cirripedia, Phyllocarida, Isopoda, Decapoda, Lurypetrida, Xiphosura, Trilobites

.4 Arachnida

Includes Scorpiones, Araneida

.6 Myriapoda

.7 Insecta

566 VERTEBRATE PALEOZOOLOGY**567 FISHES****.2 Agnatha (Lampreys)****.3 Chondrichthyes (Sharks and Skate)**

Includes Acanthodii, Pleuracanthodii, Cladoselachii, Elasmobranchii, Holocephali

.4 Placodermi (Armor-Plated Fish)

Includes Osteichthyes or bony fishes (Crossopterygii, Chondrostei, Dipnoi)

.6 Tetrapoda

Includes Amphibia (Labyrinthodontia, Lepospondyli)

.8 Anura (Frogs)**.9 Urodela****568 SAUROPSIDA (REPTILES AND BIRDS)****.1 Reptilia**

Includes Anapsida (Chelonia, Cotylosauria); Synapsida (Pelycosauria, Therapsida); Archosauria (Thecodontia, Crocodilia, Pterosauria, Saurischia, Ornithischia)

.2 Aves

Includes Archacornis, Neornithes

570 BIOLOGICAL SCIENCES

Sciences treating of phenomena of life

For Form divisions .1-9, see p. iv

571

ARCHEOLOGY

Study of prehistoric man from collection and investigation of antiquities

Includes relics of material, cultural, social life

For Ancient history, see 930, Antiquities of specific countries, see countries, e.g. Antiquities of France, 944

.1

Paleolithic or Old Stone Age

Hunting and fishing economy

Includes chipped stone artifacts

.2

Neolithic or New Stone Age

Pastoral and agricultural economy

Includes polished stone artifacts

.3

Copper and Bronze Age

.4

Iron Age

.7

Prehistoric Art

Includes prehistoric art objects, cave drawings, rock paintings, petroglyphs or rock carving

For Primitive art, see 709.01

.8

Prehistoric Shelter

Includes cave dwellings, pit dwellings, lake dwellings, tree dwellings, cliff dwellings, tent dwellings

.9

Prehistoric Structures

Includes mounds, kitchen middens, megaliths, monoliths, dolmens, cromlechs

572

ANTHROPOLOGY

Science of man

For Ethnopsychology, see 136.4

-
- 572.7 Cultural or Social Anthropology**
Study of primitive society
Includes ethnography and ethnology, scientific description
and analysis of socio-economic systems and cultural heritages
of peoples of low technological levels
For Sociology, see 301
- .8 Linguistic Anthropology**
Division of peoples by language
May be divided like 420-499
- .9 Anthropogeography**
Geographic distribution of races
May be divided like 940-999
For Human geography, see 911
- 573 PHYSICAL ANTHROPOLOGY**
Structural characteristics of man
- .3 Anthropogeny**
Origin and evolution of man
- .6 Anthropometry**
Study of measurements of human body, e.g. stature, cranial
capacity, head form, frontal index, pigmentation, hair texture,
blood groups
For Anthropometry used in crime investigation, see 364.12
- .9** It is recommended that **Monstrosities** be classified in 611.012
- 574 BIOLOGY**
Science of life and living things
Includes natural history
For Botany, see 580; Zoology, 590
- .1 Physiology**
Vital life processes: nutrition, respiration, metabolism, excre-
tion, circulation, reproduction, nervous and chemical coordina-
tion
*For Plant physiology, see 581.1; Animal physiology, 591.1;
Human physiology, 612*

574 19

Biochemistry

Chemistry of vital processes

Includes chemical constituents of bodies of organisms
chemistry of metabolism including food constituents enzymes, hormones*For Plant biochemistry see 581 19 Animal biochemistry*
591 19 Human biochemistry 612 015 Applied nutrition
641 1

191

Biophysics

Physical phenomena of life

Includes action of physical agents on organisms e.g. radiation

For Plant biophysics see 581 191 Animal biophysics
591 191 Human biophysics 612 017

.3

Embryology

Formation and development of organisms

For Plant embryology see 551 3 Animal embryology,
591 33 Human embryology 611 013

.4

Morphology

Gross structure of living organisms

For Microscopic structure see Histology and cytology
574 8 Plant morphology 1 4 Animal morphology 591 4
Anatomy 611

.5

Ecology

Relations of organisms to their environments (formerly classified in 575 3)

Includes adaptation or adjustment to environment (formerly classified in 575 4) symbiosis parasitism

For Plant ecology see 581 5 Animal ecology 591 5 Human
ecology 301 3 Medical parasitology 616 96 Veterinary
parasitology 636 0896

.6

Economic Biology*For Economic botany see 581 6 Economic zoology 591 6*

574.8

Histology and Cytology

Microscopic structure of organisms

Includes tissues and cells (formerly classified in 576.3)

For Plant histology and cytology, see 581.8; Animal histology and cytology, 591.8; Human histology and cytology, 611.018

.9

Biogeography

Geographic distribution of living organisms

For Phytogeography, see 581.9; Zoogeography, 591.9; Anthropogeography, 572.9

575

EVOLUTION

Development of organisms from earlier and simpler forms

For Paleontology, see 560.9; Anthropogeny, 573.3

.01

Theories of Evolution

Includes Darwinian theory, orthogenesis, Mutation theory, Lamarckian theory

.1

Genetics

Study of heredity and variation (formerly classified in 575.2)

It is recommended that **Eugenics** be classified in **301.323**

For Plant genetics, see 581.15; Animal genetics, 591.15; Human genetics, 613.9

.11

Laws of Heredity

Includes Mendelian law, chromosome theory

.12

Hereditary Characteristics

Inheritance of similar and divergent characters

Includes genotypes, hereditary units (genes)

.2

It is recommended that **Variation** be classified in **575.1**

.3

It is recommended that **Ecology** be classified in **574.5**

.4

It is recommended that **Adaptation** be classified in **574.5**

576

MICROBIOLOGY

Study of microscopic organisms and viruses

Includes origin of life, abiogenesis (spontaneous generation)

For Bacteriology, see 589.9, Mycology, 589.2, Protozoology, 593.1, Special applications, the subject, e.g. Microbiology of soils, 631.46

.2

Protoplasm

Living substance

.3

It Is Recommended That Cytology Be Classified in 574.8

.6

Viruses

For Virus diseases see 616.9

577

It is recommended that **CHEMICAL PROPERTIES OF LIVING MATTER** be classified in 574.19; **PHYSICAL PROPERTIES** in 574.191

578

BIOLOGICAL TECHNIQUES

Includes keeping and raising of organisms, methods of studying morphology (microscopic technique, e.g. preparation of slides, biological microphotography), physiology (kymography, tracer technique) development genetics of organisms

579

BIOLOGICAL AND NATURAL HISTORY COLLECTIONS

Includes collecting, transporting, preservation, mounting (taxonomy) of biological specimens, special techniques (preparation of skeletons, injections, models), arrangement of museum collections

580 BOTANY

For Form divisions .1–.9, see p. lv; Palcobotany, 561

581 PLANT PHYSIOLOGY AND MORPHOLOGY

.1 Plant Physiology

Normal functions of plants under ordinary as well as controlled environmental conditions

.11 Circulation

Movement and absorption of liquid by plants

.12 Respiration

Release of energy gained from food

.13 Metabolism

Includes nutrition, food making processes (photosynthesis, protein synthesis), assimilation, storage, use (for growth, reserves)

.14 Secretion

For Enzymes, hormones, vitamins, see 581.19

.15 Plant Genetics

Includes heredity and variation

For Abnormalities, see 581.2

.16 Plant Propagation

.17 Histogenesis

Microscopic study of germ cells and related structures

.18 Nervous Function

Includes tropisms, nastic, formative and tactic responses

.19 Plant Biochemistry

Includes chemical composition and analysis of plant constituents; plant enzymes, hormones, vitamins

For Vitamin therapy, see 616.46; Hormone therapy, 616.4; Biochemistry, 574.19

.191 Plant Biophysics

581.2 Plant Pathology

Plant disease and control

Includes phytopathology (disease in form or function), teratology (abnormalities), virus diseases

.23 Parasitic Diseases

Includes diseases due to bacteria, fungi, insects

For Diseases of specific crops, see 633-635; Bacteria, 589.9; Fungi, 589.2; Insects, 595.7

.3 Plant Embryology

Includes germination

.4 Plant Morphology

Form and structure of plants

Includes structure of flower, fruit, seed, stem, root, leaf

.5 Plant Ecology

Plant in relation to its surroundings

Includes plant symbiosis and parasitology

.52 Relation to Habitat

Includes soil, light, water and individual plant; mutual relationship of plants (succession, zonation); influence of physical factors of environment on plant distribution and species (Hydrophytes, Mesophytes, Xerophytes)

For Plants in above groups, see 582-589

.6 Economic Botany

For Agriculture and plant culture, see 630

.8 Plant Histology and Cytology

Plant tissues and cells

.87 Cytology

Cell structure, function, reproduction

581.9 Phytogeography

Includes only general material on geographic distribution of plants

For Specific plants of certain locality, see plants, e.g. Cryptogams of North America, 586; Cactus of Southwestern United States, 583.47; General plant life of specific locality, e.g. Wild flowers of Northeastern United States, 581.93

.92 Geographic Distribution of Aquatic Flora

For Aquatic plants as influenced by physical environment, see 581.52

.93 Plants of Specific Countries or Localities

May be divided like 940-999

For Specific plants of a locality, see plant, e.g. Cryptogams of North America, 586; Willows of United States, 583.98

582-589**SYSTEMATIC OR TAXONOMIC BOTANY**

Description and classification of plants

Orders and most important families are given

For Fuller classification, see standard plant classification, e.g. Asa Gray

582 SYSTEMATIC OR TAXONOMIC BOTANY**.1 Spermatophytes**

Seed-bearing plants

Includes Gymnosperms, Angiosperms

For Plants of an order, family, genera or species, see 583-589, e.g. Maple tree, 583.28; of a specific locality, 581.93; Culture, 630; Use in landscape design, 710-719

.12 Herbaceous Plants

Seed plants which do not have woody stems

Includes herbals

For Specific plants, see 583-589; Culture, 630; Use in landscape design, 710-719; Grasses, 584.8

582.13

Flowering Plants

Includes wild flowers

For Single species of flowering plants or plant families, see 583-589; General material on plants of specific countries or localities, 581.93, e.g. Wild flowers of United States, 581.93

.16

Trees

Includes comprehensive treatment of trees, shrubs, flowering plants

For Culture, see 634.9; Order, family, genera, species of tree, 583-588; Use in landscape design, 710-719; Specific locality, 581.93

.17

Shrubs

For Culture, see 630; Order, family, genera, species of shrub, 583-588; Use in landscape design, 710-719; Specific locality, 581.93

583-584 ANGIOSPERMS

583

DICOTYLEDONS

.11

Ranunculales

Includes Nymphaeaceae or water lily family; Myristicaceae or nutmeg family; Anonaceae or papaw family; Berberidaceae or barberry family; Ranunculaceae or buttercup family (buttercup, columbine, larkspur, marsh, marigold, anemone, monk's-hood, peony, clematis); Magnoliaceae or magnolia family (magnolia, tulip tree); Lauraceae or laurel family (sassafras, cinnamon, camphor)

Lauraceae was formerly classified in 583.931

.12

Papaverales

Includes Papaveraceae or poppy family; Cruciferae or mustard family (cabbage, broccoli, Brussels sprouts, turnip, radish, watercress). Cappandaceae or caper family (formerly classified in 583.131)

-
- 583.13 *Violales***
Includes *Violaceae* or violet family; *Cistaceae* or rock-rose family; *Passifloraceae* or passion-flower family and *Loasaceae* or star flower family (formerly classified in 583.45)
It is recommended that *Caper* family be classified in 583.12
- .14 *Polygalaceae***
- .15 *Caryophyllales***
Includes *Caryophyllaceae* or pink family; *Portulacaceae* or purslane family
- .16 *Guttiferales***
Includes *Theaceae* or tea family
- .17 *Malvales***
Includes *Malvaceae* or mallow family (cotton, hollyhock)
- .21 *Geraniales***
Includes *Linaceae* or flax family
- .27 *Rhamnales***
Includes *Rhamnaceae* or buckthorn family; *Vitaceae* or grape family
- .28 *Sapindales***
Includes *Sapindaceae* or soapberry family; *Aceraceae* or maple family
- .3 *Rosales***
Includes *Leguminosae* or pea family (peas, beans, peanuts, clover, alfalfa, locust tree, redbuds, lupines, locoweeds, mesquite, palo verde); *Rosaceae* or rose family (apples, pears, hawthorn, strawberry, raspberry, blackberry, peach, plum, cherry, bridal wreath), *Saxifragaceae*
- .4 *Myrtales***
Includes *Myrtaceae* or myrtle family (eucalyptus, evening primrose)
It is recommended that *Loasaceae* and *Passifloraceae* be classified in 583.13; *Cucurbitaceae* in 583.57

-
- 583.47 Opuntiales**
Includes Cactaceae or cactus family
- .48 Umbellales**
Includes Umbelliferae or parsley and carrot family
- .51 Rubiales**
Includes Caprifoliaceae or honeysuckle family
- .55 Compositae**
Includes Cichoriaceae or lettuce family, Carduaceae or thistle family, Asteraceae or aster family, Ambrosiaceae or ragweed family, Helianthaceae or sunflower family
- .57 Campanales**
Includes Cucurbitaceae or gourd family (formerly classified in 553.46)
For Compositae generally considered in Campanales, see 583.55
- .6 Ericales**
Includes Ericaceae or heath family (heather, blueberry, cranberry, huckleberry, arbutus, wintergreen, rhododendron, azalea)
- .67 Primulales**
Includes Primulaceae or primrose family
- .68 Ebenales**
- .7 Gentianales**
Includes Oleaceae or olive family (olive, jasmine, ash), Gentianaceae or gentian family, Apocynaceae or dogbane family (oleander, periwinkle), Asclepiadaceae or milkweed family
- .76 Polemoniales**
Includes Polemoniaceae or phlox family
- .8 Scrophulariales**
Includes Scrophulariaceae or snapdragon family (foxglove, Indian paintbrush), Verbenaceae or vervain family, Labiatae or mint family (rosemary, sage, lavender, thyme, peppermint, spearmint)

-
- 583.899 Plantaginales**
Includes Plantaginaceae or plantain family
- .91 Chenopodiales**
Includes Amarantaceae, Chenopodiaceae or goosefoot family
- .917 Polygonales**
Includes Polygonaceae or buckwheat family
- .925 Piperales**
Includes Piperaceae or pepper family; Saururaceae or lizard's-tail family
- .93 Proteales**
Includes Proteaceae
It is recommended that Lauraceae be classified in 583.11
- .94 Santalales**
Includes Santalaceae or sandalwood family; Loranthaceae or mistletoe family
- .96 Urticales**
Includes Urticaceae or nettle family, Moraceae or mulberry family; Ulmaceae or elm family
- .973 Juglandales**
Includes Juglandaceae or walnut family
- .974 Myricales**
Includes Myricaceae or bayberry family
- .976 Fagales**
- .98 Salicales**
Includes Salicaceae or willow family
- 584 MONOCOTYLEDONS**
- .11** It is recommended that **Hydrocharitaceae** be classified in 584.7
- .15 Orchidales**
Includes Orchidaceae or orchid family (lady's-slipper, vanilla)

-
- 584.21 Scitaminales**
Includes Marantaceae or arrowroot family; Musaceae or banana family; Cannaceae or canna family
- .22** It is recommended that **Bromeliaceae** be classified in **584.3**
- .23 Liliales**
Includes Liliaceae or lily family (lily, trillium, onion, dog's-tooth violet, asparagus, garlic, leek, yucca), formerly classified in 584.32; Haemodoriaceae or bloodwort family; Juncaceae or rush family (formerly classified in 584.45)
- .3 Xyridales**
Includes Xyridaceae or yellow-eyed grass family; Commelinaceae or spiderwort family; Mayacaceae or mayaca family; Bromeliaceae or pineapple family (formerly classified in 584.22)
- .32** It is recommended that **Liliaceae** be classified in **584.23**
- .45** It is recommended that **Juncaceae** be classified in **584.23**
- .5 Palmales**
Includes Palmaceae or palm family
- .61 Pandanales**
Includes Sparganiaceae or bur-reed family; Typhaceae or cat-tail family
- .62 Cyclanthales**
- .64 Arales**
- .7 Najadales**
Includes Hydrocharitaceae (frog's-bit), formerly classified in 584.11; Alismaceae (water plantain); Najadaceae (najas)
- .8 Graminales**
Includes Cyperaceae (sedge); Gramineae (grass, e.g. wheat, rice, rye, oats, barley, corn, sorghum, sugar cane, bamboo), formerly classified in .9
- .9** It is recommended that **Gramineae** be classified in **.8**

585 GYMNOSPERMS**.1 Gnetales**

Includes Gnetales

.2 Coniferales

Includes Taxodiaceae (redwood); Pinaceae (pine: hemlock, spruce, larch, tamarack, fir); Taxaceae (yew)

.7 Ginkgoales

Includes Ginkgoaceae (maidenhair tree: ginkgo)

.9 Cycadales

Includes Cycadaceae (cycad)

586 CRYPTOGRAMS

Seedless plants

Includes Thallophytes (lichens), Bryophytes (mosses), Pteridophytes (ferns)

*For Order, family, species of Thallophytes, see 589; Bryophytes, 588; Pteridophytes, 587***587 PTERIDOPHYTES**

Ferns and their allies

.1 Isoetales**.2 Equisetales**

Includes Equisetaceae (horsetail)

.3 Filicales

Includes water ferns (Salviniaceae, Marsiliaceae); land ferns (Osmundaceae), Schizaceae, Polypodiaceae, Cytheaceae, Hymenophyllaceae

.9 Lycopodiales

Club mosses

Includes Selaginellaceae, Lycopodiaceae (ground pines)

588 BRYOPHYTES

Musci (mosses) Hepaticae (liverworts)

588.1-588.2 MUSCI

- .1 **Sphagnales**
Peat and bog mosses
- .2 **Bryales**
True mosses
- .22 **Andreales**
Black, small mosses
- .3 **Hepaticae or Liverworts**
Includes Jungermanniales (scale mosses); Anthocerotales (hornworts); Marchantiales (great liverworts)

589 **THALLOPHYTES**

Lichens, fungi, algae, bacteria

For Orders, family, species of lichens, see 589.1; Fungi, 589.2; Algae, 589.3; Bacteria, 589.9; Effect on crops and control, 632 or specific crop

- .1 **Lichenes**
Lichens: plants formed by intimate association between algae and fungi
Includes Basidiolichenes, Ascolichenes
- .2 **Eumycetes or Mycophyta**
True fungi, e.g. Phycomycetes, Ascomycetes, Basidiomycetes
Includes mycology
- .22 **Basidiomycetes**
Club fungi
Includes Ustilaginales (smuts); Uredinales (rusts); Tremellales, Hymenomycetes and Gasteromycetes (fungi)
- .23 **Ascomycetes**
Sac fungi
Includes Saccharomycetales (yeast fungi); Erysiphales (powdery mildews); Hysteriales (slit fungi); Phacidiales (little cup fungi); Pezizales (cup fungi); Tuberales (truffles or tubers); Helvellales; Exoascales (peach leaf curl, plum pocket, witches'-broom); Hypocreales; Sphaeriales, Dothideales (ergot, black rot, black knot); Laboulbeniales (beetle fungi); Aspergilliales (little tubers; aspergillus, penicillium)

-
- 589.24 Fungi Imperfecti**
- .25 Phycomycetes**
Algae-like fungi
Includes Peronosporales (downy mildews)
- .26 Saprolegniales (Water Molds)**
Includes Ancylistals, Monoblephariadaccae
- .28 Mucorales (Black Mold)**
Includes Entomophorals (fly fungi), Chytridales
- .29 Myxomycetes**
Slime molds
Includes Endosporales and Exosporales
- .3 Phycophyta**
Algae
- .41 Rhodophyta**
Red algae
- .45 Phaeophyta**
Brown algae
Includes seaweeds (Fucus) and kelps
- .47 Chlorophyta**
Green algae
Includes Zygnematales (pond scum) and Desmidiiales (desmids), formerly classified in 589.61
- .48 Chrysophyta**
Golden algae
Includes Heterokontae (yellow-green algae)
- .61** It is recommended that **Zygnematales** and **Desmidiiales** be classified in 589.47
- .62 Bacillariales**
Diatoms
Includes Centrales and Pinales
- .7 Schizophyta**
Fission plants

589.8 Myxophyceae or Cyanophyceae

Blue-green algae

.9 Schizomycetes

Bacteria Bacteriology

Includes Eubacteriales (true bacteria); Actinomycelates, Chlamydobacteriales, Thecobacteriales, Myxobacteriales, Spirochactales, Caulobacteriales, Rickettsiales

For Bacteriology of specific subjects, see subject, e.g. Soil bacteriology, 631.4; Yeasts, 589.23; Microbiology, 576; Medical bacteriology, 616.01

.97 Phytoflagellatae

Euglenals

Includes Euglenaceae, Astaccaceae, Peranemaceae

It is recommended that **Flagellated protozoans** be classified in 593.16

590 ZOOLOGY

Comprehensive works including systematic and non-systematic zoology

For Form divisions .1-9, see p. Iv; Paleozoology, 562-569; Conservation of wild life, 333.78

591 GENERAL ZOOLOGY

Non-systematic zoology

Includes morphology and physiology of animal organisms

.1 Animal Physiology

Functions of animal body and its parts

.11 Circulation

.12 Respiration

.13 Metabolism

Includes nutrition

**For Applied nutrition in animal husbandry, see 636.085*

.14 Secretion and Excretion

.15 Animal Genetics

Includes heredity and variation

For Stock breeding, see 636.082

.16 Reproduction

Includes sexual and asexual reproduction

.17 Gametogenesis

Formation or maturation of sex cells

It is recommended that **Histogenesis** be classified in 591.8

.179 It is recommended that **Regeneration** be classified in 591.3

.18 Nervous Functions

Includes sensations, tropisms

- 591.19 Animal Biochemistry**
- .191 Animal Biophysics**
- .2 Animal Pathology**
For Veterinary medicine, see 636.089
- .3 Animal Development**
Includes embryonic and postembryonic development; metamorphosis: postembryonic change from one developmental stage to another; regeneration (formerly classified in 591.179) and transplantation
- .33 Embryology**
Includes cleavage, formation of germ layers, differentiation of organs
- .4 Animal Morphology**
Gross structure of animals
Includes comparative anatomy, descriptive anatomy (formerly classified in 591.7)
For Microscopic structure of animals, see Animal histology and cytology. 591.8
- .41 Circulatory System**
- .42 Respiratory System**
- .43 Digestive System**
- .44 Glands and Excretory System**
Includes endocrine glands
- .46 Reproductive System**
- .47 Muscular, Skeletal, Integumentary Systems**
- .48 Nervous System**
Includes sense organs
- .49 Topographical Anatomy**

591.5 Animal Ecology

Animal habits and behavior; their relation to environment and to each other

Includes food; seasonal habits, e.g. hibernation; relation to other animals (animal symbiosis, parasitism, commensalism, predation); sexual behavior; means of protection (adaptation, protective coloration); sound production and other means of communication used by animals

It is recommended that **Animal stories** be classified in 800

For Specific parasites, see taxonomic groups

.51 Instinct

For Comparative or animal psychology, see 151.3

.52 Habitat

Includes migration

.6 Economic Zoology

Useful and injurious animals

For Animals as injurious factors in crop production, see 632.6-.7

.7 It is recommended that **Descriptive Anatomy be classified in 591.4****.8 Animal Histology and Cytology**

Microscopic structure of animals

Includes animal tissues and cells, histogenesis (formerly classified in 591.17)

.9 Zoogeography

Includes marine, freshwater, terrestrial animals

.93-.99 Animals of Specific Countries or Localities

May be divided like 930-999, e.g. Animals of South America, 591.98

For Specific animals of certain localities, see specific animals, e.g. Birds of North America, 598.2

592-599 SYSTEMATIC OR TAXONOMIC ZOOLOGY*Description and classification of animals**Most important phyla, classes, orders are given*

For fuller classification, use standard list, e.g. Zoological names, a list of phyla, classes, and orders prepared for Section I', American Association for the Advancement of Science

592 INVERTEBRATES

Animals without backbones

593.1 Protozoa

Unicellular animals

Includes protozoology

.11 Sarcodina

Protozoa that move by means of pseudopodia

Includes Rhizopoda (Amoeba)

.12 Foraminifera**.16 Mastigophora**

Flagellated protozoans (Trypanosoma)

For Phytotflagellatae, see 589.97

.17 Ciliata

Protozoa that move by means of cilia (Paramecium, Stentor, Balantidium)

.2 Mesozoa

Simple multicellular animals (Orthonectida, Dicyemida)

Formerly radiates, obsolete term used to include Coelenterata, Ctenophora, Echinodermata

.3 It is recommended that Coelenterata be classified in 593.5**.4 Porifera**

Sponges

.5 Cnidaria

Coelenterata in its modern sense (formerly classified in 593.3)

-
- 593.6 Anthozoa**
Includes sea anemones, corals
- .7 Hydrozoa**
Includes hydras, hydroid polyps, Hydromedusae
- .73 Scyphozoa**
Acalepha, includes Scyphomedusae
- .8 Ctenophora**
Sea walnuts or comb jellies
- .9 Echinodermata**
Spiny skinned animals
Includes Crinoidea (sea lilies), Asteroidea (common star fishes), Ophiuroidea (brittle stars, basket stars), Echinoidea (sea urchins, and dollars), Holothuroidea (sea cucumbers)
- .99** It is recommended that **Enteropneusta** be classified in 596
- 594 MOLLUSCA AND MOLLUSCOIDEA**
Mollusks and mollusk like animals
- .1 Pelecypoda**
Lamellibranchia or bivalve mollusks (clams, mussels, oysters)
- .19 Amphineura**
Includes chitons (formerly classified in 594.31)
- .2 Scaphopoda**
Dentalium or toothshell
- .3 Gastropoda**
Snails, slugs, whelks
Includes Prosobranchia, Opisthobranchia, Pulmonata
- .31** It is recommended that **Amphineura** be classified in 594.19

-
- 594.5 Cephalopoda**
Includes Tetrabranchia (Nautilus), Dibranchia (Decapod and octopod Cephalopoda squid, devilfish, cuttlefish, octopus)
- .7 Bryozoa (Polyzoa)**
Moss animals
- .73** It is recommended that **Pterobranchia** be classified in **596**
- .8 Brachiopoda**
Includes lamp shells
- .9** It is recommended that **Tunicata** be classified in **596**
- 595.1 Vermes**
Worms
- .12 Platyhelminthes and Nemertea**
Flatworms and ribbon worms
Includes Turbellaria (planarians), Trematoda (flukes), Cestoda (tapeworms), Nemertea (ribbon worms)
- .13 Nemathelminthes**
Roundworms
Includes Nematoda (Ascaris, hookworms, Trichinella), Nematomorpha (Gordius or horseshair worm), Acanthocephala
- .14 Annelida**
Segmented worms
Includes Archannelida
- .15 Hirudinea**
Leeches
- .16 Oligochaeta**
Includes earthworms
- .17 Polychaeta and Myzostoma**
Includes Nereis

-
- 595.18 Trochelminthes**
Rotifers or wheel animalcules and related animals
Includes Rotatoria, Gastrotricha, Echinodera
- .3 Crustacea**
- .315** It is recommended that **Pantapoda** be classified in **595.4**
- .32 Phyllopoda or Branchiopoda**
- .33 Ostracoda**
- .34 Copepoda**
Includes Cyclops, fish-lice
- .35 Cirripedia**
Barnacles
- .371 Amphipoda**
- .372 Isopoda**
Sow-bugs, wood lice
- .38 Minor Crustacean Orders**
Includes Leptostraca (Nebalia), Syncarida, Thermosbaenacea, Tanaidacea, Euphausiacea, Cumacea, Stomatopoda (Squilla), Mysidacea (Mysis), Decapoda (Macrura, e.g. lobster, crayfish; Brachyura, e.g. crab)
- .39 Gigantostraca**
Includes Xiphosura (horseshoe crab)
- .4 Arachnida**
Includes Linquatulida, Tardigrada (waterbears), Acari (mites and ticks), Phalangida (daddy-long-legs or harvestmen), Pedipalpi or Palpigradi (whip-scorpions), Scorpiones (scorpions), Pseudoscorpiones (false scorpions), Solifuge (weasel spiders), Pycnogonida or Pantopoda (formerly classified in 595.315)
- .44 Araneida**
True spiders
- .5 Onychophora**
Includes Peripatus

- 595.6 Myriapoda**
Includes Diplopoda (millipedes), Chilopoda (centipedes), Symphyla, Pauropoda
- .7 Insecta (Hexapoda)**
Insects
Includes entomology
- .71 Synaptera**
Includes Collembola (spring-tails), Protura, Entotrophi, Thysanura (bristle-tails)
- .72 Orthoptera**
Grasshoppers, crickets, katydids, mantises, cockroaches, stick insects
- .73 Pseudoneuroptera**
Includes Thysanoptera (thrips), Corrodentia (psocids, book-lice), Odonata (dragonflies, damselflies), Ephemera (mayflies), Plecoptera (stoneflies), Isoptera (termites or white ants), Embioptera, Zoraptera
- .74 Neuroptera**
Lacewing-flies, ant-lions, snake-flies
Includes related phyla: Mecoptera (scorpion-flies), Trichoptera (caddis-flies), Strepsiptera (stylopids or twisted-winged insects), Anoplura and Mallophaga (true lice and bird-lice, formerly classified in 595.751)
- .75 Hemiptera**
Includes Homoptera (cicadas, leafhoppers, aphids, scale-insects), Heteroptera (true bugs)
- .751** It is recommended that **Anoplura** and **Mallophaga** be classified in 595.74
- .76 Coleoptera**
Beetles, weevils, fireflies, wood-borers, ladybugs
- .77 Diptera**
Flies, gnats, midges, mosquitoes
- .775 Siphonaptera**
Fleas

- 595.78 Lepidoptera**
Includes Heterocera (moths), Rhopalocera (butterflies)
- .79 Hymenoptera**
- .796 Formicidae**
Ants
- .799 Apidae**
Bees
- 596 CHORDATES**
Includes Enteropneusta (formerly classified in 593.99), Pterobranchia (formerly classified in 594.73), Tunicata or sea squirts (formerly classified in 594.9), Cephalochorda or lancelets (formerly classified in 597.1), Vertebrata or Craniata, animals with backbones
- 597 FISHES**
Includes ichthyology
- .1 It is recommended that Cephalochorda be classified in 596**
- .2 Cyclostomata**
Hagfishes, lampreys
- .3 Elasmobranchii**
Sharks, rays, skates
- .4 Ganoidei**
Includes Chondrostei (paddle fishes, sturgeons), Holostei (garpikes, bowfins), Crossopterygii (lobefinned fishes), Dipnoi (lung fishes)
- .5 Teleostei**
Bony fishes
Includes Acanthopterygii (spiny-rayed fishes), Isospondyli (soft-rayed fishes)
- .6 Amphibia**
- .8 Salientia**
Frogs, toads

-
- 597.9 Urodela**
Salamanders, newts, mud-puppies
- 598.1 Reptilia**
Reptiles
- .11 Lacertilia**
 Lizards
- .12 Serpentes**
 Snakes
- .13 Chelonia**
 Turtles, tortoises
- .14 Crocodilia**
 Crocodiles, alligators
- .2 Aves**
 Birds
 Includes ornithology
- .29 Geographic Distribution of Birds**
- 599 MAMMALS**
- .1 Prototheria**
 Egg-laying mammals (spiny ant-eaters, duckbills)
- .2 Metatheria**
 Pouched mammals or marsupials (oppossums, kangaroos)
- .3 Eutheria**
 Viviparous mammals
 Includes Edentata, e.g. Xenarthra (armadillos, anteaters, sloths), Pholidota (pangolins or spiny anteaters), Tubulidentata (aardvarks)
- .32 Rodentia and Lagomorpha**
 Rats, beavers, squirrels, porcupines, rabbits, hares, pikas
- .4 Chiroptera**
 Bats

-
- 599.5 **Cetacea**
 Whales, dolphins, porpoises
- .61 **Proboscidea**
 Elephants
- .7 **Ungulata**
 Hoofed mammals
 For Domestic animals, see Animal husbandry, 636
- .72 **Perissodactyla**
 Odd-toed ungulates (horses, asses, zebras, rhinoceroses, tapirs)
- .73 **Artiodactyla**
 Even-toed ungulates (pigs, hippopotamuses, camels, giraffes, deer, antelopes, buffalo, bison, cattle, sheep, goats)
- .74 **Carnivora**
 Flesh-eating mammals
- .744 **Fissipedia**
 Land carnivora (cats, dogs, bears, weasels, hyenas)
- .745 **Pinnipedia**
 Marine carnivora (seals, walruses)
- .8 **Primates**
 Lemurs, monkeys, apes, man (formerly classified in .9)
 For Anthropology, see 572
- .9 It is recommended that **Man** be classified in .8

600 Applied Science

For Specific subjects in applied science, see 610-690, e.g. Chemical technology, 660, Engineering 620, Pure science, 500, Form divisions 1-7, and 9, partly, exception in 8 follows

608

PATENTS AND INVENTIONS

610 MEDICAL SCIENCES

For Medical jurisprudence, see 340 6, Hospitals, sanitariums, 362,
Form divisions 1-6 and 8-9, p lv, exception in 7 follows

610.72 **Experimental Medicine**

.73 **Nurses and Nursing**

Includes professional and practical nurses, aides, attendants

May be divided by regular form divisions, e g Study and
teaching of nursing 610 7307, History of nursing,
610 7309

For Army Nurse Corps see 356 92, Naval Nurse Corps,
359 99, Home nursing, 649 8

.732 **Private Duty Nursing**

.733 **Institutional Nursing**

Nursing in hospitals, sanitariums, clinics, prisons

.734 **Public Health and Community Nursing**

Includes industrial nursing

.736 **Special Nursing**

Includes communicable disease surgical and gynecologi-
cal, obstetrical, orthopedic, pediatric, psychiatric nursing

.75 **It is recommended that *Diagnosis* be classified in 616**

611 **ANATOMY**

Structure of human body and relation of its parts

I or Comparative anatomy, see 591 4

.012 **Human Teratology**

Study of human anomalies, deformities, monstrosities
(formerly classified in 573 9)

.013 **Human Embryology**

Formation and development of human embryos

.018 **Human Histology and Cytology**

Microscopic structure of human organisms
Includes tissues and cells

612 HUMAN PHYSIOLOGY

Functions of human body and its parts

.015 Human Biochemistry

Chemical composition of human bodies and changes which occur in them, e g chemical transformations, oxidations, reductions

.017 Human Biophysics

Action of physical agents on human bodies

.1 Circulation

Operation of circulatory system

.2 Respiration

Process of breathing
Includes artificial respiration

.3 Digestion

Conversion of food into absorbable form

.39 Metabolism

Assimilation of food

.4 Secretion and Excretion

Processes of glandular system

.6 Reproduction

Sex functions
Includes sex instruction

For Sex education in schools, see 371 76

.63 Conception

Union of male sperm and ovum of female
Includes artificial insemination, contraception or birth control

For Planned parenthood, see 301 426

.7 Locomotion Speech Cutaneous functions**.76 Locomotion**

Movement from one place to another

-
- 612.78 **Speech**
 Use of voice
- .79 **Cutaneous Functions**
 Physiology of skin
- .8 **Sensation**
 Response to stimulation
 Includes sight, hearing, smell, taste, touch
- 613 **PERSONAL HYGIENE**
 Maintenance of personal health
 For Health education in schools, see 371.76
- .1 **Air and Light**
 Beneficial effects of fresh air and sunlight
 Includes sunbathing
 For Therapeutic use of air and light, see 615.8; Medical climatology and meteorology, 616.98
- .2 **Food**
 Uses of food in maintaining health
 For Nutrition and dietetics, see 641.1; Diets, 615.85
- .4 **Bathing**
 Cleanliness of body
 For Therapeutic use of water and bathing, see 615.8; Sanitary control of public bathing places, 614.7; Care of personal appearance, 646.7
- .6 It is recommended that **Industrial Hygiene** be classified in 614.85
- .67 It is recommended that **Military Hygiene** be classified in 356.92
- .68 It is recommended that **Naval Hygiene** be classified in 359.99
- .7 **Rest and Exercise**
 Adequate sleep, relaxation, exercise for maintenance of health
 Includes correct posture
 For Physical education in schools, see 371.73

613.8 It is recommended that **Effects of Stimulants and Narcotics** be classified in 616.86

.9 **Human Genetics**

Improvement of human race by judicious mating

For Eugenics, see 301 323, Birth control, 612 63

614 **PUBLIC HEALTH AND PREVENTIVE
MEDICINE**

.1 **Medical Statistics**

Includes physicians' reports of disease, births, stillbirths, and death, medical surveys

For Vital statistics, see 312

.2 **State Medicine**

Regulation of medical practice by the state by means of health codes, licensing of physicians, socialized medicine

Includes control of quackery, patent medicines

For Social insurance, see 365.4, Group hospitalization and medical expenses, 365 35

.3 **Food and Drug Control**

Control of adulterations and health hazards in foods and beverages, milk and milk products, drugs, cosmetics, by means of legislation, inspection

.4 **Disease Control**

Health measures for prevention and control of communicable disease, e.g., isolation and quarantine, vaccination and immunization, disinfection

.49 **Epidemiology**

History and control of epidemics

.5 It is recommended that **Control of Specific Diseases** be classified with **Diseases**, e.g., **Venereal Disease Control**, 616.95

.6 **Disposal of the Dead**

Includes morgues, crematories, cemeteries, undertaking, embalming, cremation, burial

For Manners and customs in treatment of dead, see 392

614.7 Sanitary Control

Public health measures for sanitation and control of environment, e.g. control of air and soil pollution; provision of adequate and safe water supply, waste disposal, noise control; sanitary supervision of public conveyances and buildings; sanitary operation of swimming pools, bathing beaches, comfort stations

For Methods of sanitation, see Sanitary engineering, 628

.8 Safety

Protection of human life from accidents, casualties

For Safety instruction in schools, see 371.71

.81 Life-Saving

Rescue of drowning

Includes resuscitation

.84 Fire Prevention and Protection**.85 Industrial Medicine**

Includes industrial hygiene and safety (formerly classified in 613.6)

.86 Accident Prevention

Public protection of travelers

For Mining accident prevention and relief, see 622.86

.88 First Aid**.9 It is recommended that Veterinary Sanitation be classified in 636.0894****615 THERAPEUTICS**

Treatment of disease

Includes Materia medica and pharmacology; nature, sources, mode of administration, effects on the body of medicinal substances, e.g. antibiotics, biologicals, pharmacopoeias; formularies; dispensaries

.37 It is recommended that Immunology be classified in 616.97**.4 Pharmacy**

Preparation and dispensing of drugs

615.5

Pharmacotherapy

Use of drugs in treatment of disease

*For Pharmacotherapy of specific diseases see diseases, e.g.**Use of quinine in treatment of malaria 616.9*

.8

Physiotherapy

Treatment of disease by physical agents other than drugs, e.g. heat, water, light, electricity, radiation

Includes chemotherapy, hydrotherapy, actinotherapy, electrotherapeutics, radiotherapy

.82

Mechanotherapy

Treatment of disease by mechanical means, e.g. massage, exercise, rest

Includes osteopathy, chiropractic

.85

Other Types of Therapy

Use of other agents, e.g. diet, religion, for remedial purposes

Includes naturopathy, diathermy, hydrotherapy

For Psychotherapy see 131.32

.851

Occupational Therapy

Use of occupations for purposes of treatment

For Vocational rehabilitation, see 371.91

.9

Toxicology

Study of poisons, their nature, effect, detection, antidotes, treatment of conditions produced by poisoning

Includes organic, inorganic, vegetable, mineral, gaseous, food poisons

616

INTERNAL AND CLINICAL MEDICINE

Nature of disease, its diagnosis and treatment

Includes domestic medicine or treatment of minor ailments at home without direction of physician

For Pathology, diagnosis, treatment of specific diseases, see diseases, e.g. Treatment of arthritis 616.7

.01

Etiology and Pathology

Cause and nature of diseases

Includes medical bacteriology

616.012

Nosology

Classification of diseases

.07**Symptomatology and Diagnosis**

Symptoms of disease Diagnosis by clinical, physical, laboratory, serum, pathological, roentgen, differential methods

This form division may be used to indicate diagnostic methods applied to specific diseases, e.g. Electrocardiography, 616 107

.08**Psychosomatic Medicine**

Treatment of diseases resulting from interrelationship between bodily processes and emotional life

For Psychosomatics, see 131

.1**Cardiovascular System Cardiology**

Hygiene, pathology of heart, arteries, veins, capillaries

Includes diagnosis, treatment of carditis, angina pectoris, thrombosis, arteriosclerosis, phlebitis, varix

.15**Hemic and Lymphatic System Angiology**

Hygiene, pathology of blood-forming organs, blood and lymph, spleen, lymphatic channels, lymph nodes and lymphatic tissue

Includes diagnosis, treatment of anemia, leukemia, hemophilia, Hodgkin's disease, high blood pressure

Lymphatic system was formerly classified in 616.4

.151**Blood Transfusions**

Includes blood banks, blood plasma

.2**Respiratory System**

Hygiene, pathology of lungs, bronchi and bronchioles, pleura

Includes diagnosis, treatment of common cold, pneumonia, tuberculosis, bronchitis, pleurisy

.3**Digestive System Gastroenterology and Proctology**

Hygiene, pathology of stomach, intestines, liver and biliary tract, pancreas

Includes diagnosis, treatment of indigestion, gastritis, constipation, colitis, appendicitis, hemorrhoids, jaundice

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- 616.4 Endocrine System Endocrinology and Hormone Therapy**
Hygiene, pathology of thyroid, parathyroids, thymus, pituitary and pineal bodies, adrenals, suprarenals, carotid
Includes diagnosis, treatment of goiter, cretinism, Addison's disease
It is recommended that **Lymphatic System** be classified in 616.15
- .46 Metabolic and Nutritional Disorders Vitamin Therapy**
Includes diagnosis and treatment of gout, rickets, scurvy, avitaminosis, diabetes (formerly classified in 616.63)
- .5 Integumentary System Dermatology**
Hygiene, pathology of skin, hair, nail
Includes diagnosis, treatment of acne, dermatitis, eczema, dandruff, baldness
- .6 Urogenital System Urology**
Hygiene, pathology of kidney, ureter, bladder, urethra, male genital system
Includes diagnosis, treatment of nephritis, enuresis, prostatitis, impotence, sterility of males
It is recommended that **Diabetes** be classified in 616.46
For Female genital system, see 618
- .7 Musculo-skeletal System**
Hygiene, pathology of bones, joints, ligaments, tendons, and bursae, connective tissue and fascia, muscles
Includes diagnosis, treatment of osteomyelitis, arthritis, bursitis, myositis
For Orthopedics, see 617.3
- .8 Nervous System Neurology**
Hygiene, pathology of brain, spinal cord and nerves, meninges, cerebrospinal spaces and fluid
Includes diagnosis, treatment of apoplexy, encephalitis, neuralgia, insomnia, epilepsy, aphasia, meningitis, neuroses
- .86 Intoxicants**
Effect of stimulants and narcotics on human body
Includes diagnosis, treatment of alcoholism, drug habit

- 616.89 Psychoses Psychiatry**
Includes diagnosis, treatment of schizophrenia, paranoia, manic-depressive psychoses, dementia praecox
For Psychotherapy and Psychoanalysis, see Clinical psychology, 131.3
- .9 Diseases of the Body as a Whole**
Includes diagnosis, treatment of contagious, infectious and virus diseases, e.g. diphtheria, measles, chicken pox, typhoid fever, malaria, poliomyelitis, tapeworm
- .95 Venereal Diseases Venereology**
Includes syphilis, gonorrhea
- .96 Parasitic Diseases Medical Parasitology**
- .97 Anaphylaxis and Allergies**
Includes immunology (formerly classified in 615.37)
- .98 Medical Climatology and Meteorology**
Relation of air pressure, altitude, climate, moisture, weather to health
Includes tropical medicine, aviation medicine (formerly classified in 629.13256), submarine medicine
- .99 Neoplastic Diseases**
Includes tumors, cancers
- 617 SURGERY**
Treatment of disease by manual and instrumental operations
- .3 Orthopedics**
Correction of deformities and treatment of chronic diseases of joints and spine
- .6 Oral Surgery and Dentistry**
Teeth and gums and their diseases
Includes operative dentistry, orthodontia, prosthetic dentistry, pedodontia
- .7 Ophthalmology Optometry**
Eye and its disorders. e.g. astigmatism, myopia, glaucoma
Includes artificial eyes, spectacles and their fitting, mechanical work of opticians (frames and lenses)

620 ENGINEERING

Includes civil engineering

For Form divisions .2-.9, see p. lv; exception in .1 follows:

- 620.02 **Quantities and Cost**
- .03 **Contracts and Specifications**
- .04 **Designs and Drawings**
 Where interest in Engineering drafting lies in drawing,
 classify in 744
- .07 **Laws and Regulations**
- .09 **Reports**
- .1 **Engineering Mechanics and Materials**
 Includes applied mechanics, vibration in engineering
- .11 **Engineering Materials**
 Includes theory of strength of materials; engineering properties of materials not specifically classified in 620.12-.19
- .112 **Tests of Materials**
 Testing methods Equipment Performance
 Includes tests for strength (influence of temperature, corrosion, weathering, plasticity, fatigue, deformation, tension, compression, hardness); tests for other engineering properties (homogeneity, thermal expansion, electrical conductivity); testing methods (magnetic particle testing, radiographic testing)
 For Application to specific materials, see material, 620.12-.19
- .12 **Wood**
 For Deterioration and preservation of wood, see 691.1
- .13 **Stone, Cement and Concrete**
- .132 **Stone**
- .135 **Cement**
- .136 **Concrete**
- .137 **Reinforced Concrete**

-
- 620.14 **Brick, Tile, Glass**
 - .15 **Masonry Adhesives**
 - .17 **Iron, Steel, and Alloy Steels**
 - .172 **Corrosion Properties**
 - .173 **Elastic Limit Properties**
 Includes plasticity fatigue deformation
 - .18 **Other Metals and Their Alloys**
 - .19 **Other Materials**
 Includes plastics rubber laminated materials
 For Mechanics of engineering soils see 624.151

621 **MECHANICAL ENGINEERING**

For Marine engineering, see 623.87 Aeronautics 629.1, Motor vehicle engineering, 629.2 Transportation engineering 625

- .01 **Engineering Thermodynamics**
- .1 **Steam Power Engineering**
- .11 **Steam Engines**
 Design of engine and parts
 * Includes operation and maintenance of steam engines, e.g.
 picking oiling valve mechanisms and governors
- .12 It is recommended that **Marine Engines** be classified in
 623.872
- .13 It is recommended that **Steam Locomotives** be classified in
 625.26
- .14 **Steam Tractors and Rollers**
- .16 **Steam Turbines**
 Includes types, design, construction, maintenance of steam
 turbines
- .18 **Steam Generation**
- .182 **Fuels and Combustion**
 Includes fuels for boiler heating (solid liquid gaseous
 fuels, fissionable material) fuel combustion
 For Technology of fuels, see 662.6

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- 621.183 Boiler Furnaces**
Includes boiler furnace details (mechanical stokers, ash conveyers, chimneys, draft appliances, smoke consumers)
- .184 Boilers**
Includes types of steam boilers; boiler construction, erection, firing, maintenance and inspection; boiler accessories
- .185 Steam Distribution and Circulation**
Includes piping
- .19 Steam Power Plants**
Central stations
Includes feedwater heaters, economizers, pumps, separators, superheaters, condensers, cooling towers, instruments
- .2 Hydraulic Power Equipment**
Industrial use of water as motive power
Includes water wheels, turbines, hydraulic engines, hoists, elevators, hydraulic presses, hydraulic rams, machines run by water under pressure maintained by accumulators; constructions and appliances for distributing and regulating supply of water to hydraulic power equipment
For Hydraulic engineering, see 627; Water-supply engineering, 628.1; Theory of Mechanics of liquids, 532
- .3 Electrical Engineering**
For Economics of power production and distribution, including economics of rural electrification, see 338.39
- 621.31-621.37 ELECTRIC POWER ENGINEERING**
- 621.38 ELECTRIC COMMUNICATION ENGINEERING**
- .31 Generation of Electricity**
Includes Dynamoelectric machinery, transformers, transmission of electricity
- .312 Production of Electric Power**
Includes operation, maintenance and testing of power stations (steam, gas turbine, Diesel, hydraulic); and substations (transformer, converter)

- 621.313 Dynamoelectric Machinery**
 Design Construction Installation Operation
 Maintenance Testing
 Includes direct or continuous current machinery; alternating-current machinery
- .314 Transformers, Regulators and Reactors**
- .316 Details of Electric Machinery**
 Includes armatures, field cores, brushes
- .317 Power Station Wiring Switchboards and Control Devices**
 Includes panels (generator, motor, feeder); switches and circuit breakers (oil, air, thermal); safety and signal devices, e.g. barriers and compartments, fuzes, lightning arresters
- .319 Transmission of Electric Energy**
 Includes transmission systems (direct or continuous, alternating current systems); transmission lines and conductors (overhead or aerial, underground lines); cables, wires and conductors; insulating materials; insulators; protective devices, e.g. line lightning arresters
 For Local wiring, see specific application, e.g. Electric light wiring, 621.328
- .32 Electric Lighting**
 Illumination engineering (formerly classified in 628.9)
 Includes design of domestic (formerly classified in 644), industrial, public lighting systems for streets, parks, public buildings; flood lighting for sports and expositions; arc, incandescent, fluorescent and neon tube lighting
- .328 Apparatus at Service End of Line**
 Includes panels, fuzes, insulators, switches, protective devices; underwriter requirements, e.g. national electric code, house wiring
- .33 It is recommended that **Electric Traction** be classified in 625.1; **Electric Locomotives** in 625.26
 *For Marine propulsion, see 623.8***

621.34 Electronics and Electron Tubes

For Physical electronics, see 537.5; Industrial and scientific application, the subject, e.g. Radar, 621.381; Particle detectors in nuclear physics, 539.7; Electronic navigation, 623.893

.342 Electron Tubes and Their Characteristics

Includes vacuum tubes, cathode ray tubes, photoelectric cells

For Vacuum tubes as radio apparatus, see 621.3843

.343 Electronic Circuit Functions**.345 Sound-reproduction Applications**

Includes sound recording, reproduction of sound in moving pictures

.35 Production of Electricity Directly from Chemical Action

Includes primary and storage batteries

For Industrial electrochemistry, see 660.29

.37 Electric Measurements

Standards Calibration of instruments Testing

Includes resistance measurement (inductance, capacity) by Wheatstone bridges, ohmmeters, resistance boxes; voltage measurement by voltmeters, electrometers, potentiometers, standard cells; current measurement by galvanometers, ammeters, milliammeters; quantity or energy measurement by coulometers, ampere-hour meters, watt-hour meters; power measurement by wattmeters; frequency, phase, power-factor meters, synchronizers, oscillographs; measurement of non-electric quantities by electrical means, e.g. electric thermometers

.38 Electric Communication Engineering**.381 Radar**

621 382

Telegraphy (Wire)

Includes telegraphic codes telegraphic systems automatic code telegraphy and high speed systems e.g. Baud and Morse systems Wheatstone printing and writing telegraphy e.g. stock ticker teleprinter teletypewriter teleautograph facsimile telegraphy or phototelegraphy submarine cable telegraphy telegraph instruments (formerly classified in 621 383)

For Radiotelegraph see 621 384

383

It is recommended that **Telegraph Instruments** be classified in **621 382**

384

Radio

Includes radiotelegraph (formerly classified in 3842-3-4) radiofacsimile radiotelephone (formerly classified in 3845-6-7) radio circuits measurement and standardization

For Radio administration regulation finance facilities services see 3845

3841

Radio Principles

Includes radio waves characteristics propagation radiation transmission phenomena fading meteorologic influences ionosphere

621 3842-3849 former expansions of radio have used 3841 as base number. In order to shorten number 3841 has been used as base number

3843

Radio Apparatus and Equipment

Formerly 38413

Includes generating sending transmitting apparatus vacuum and electron tubes parts of circuits e.g. capacitors inductors modulating devices transmission lines (radio) wave guides antennas aerials and their substitutes receiving apparatus and instruments detectors rectifiers amplifiers acoustic receivers recording devices receiving sets maintenance repair and testing

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- 621.3845 Radio Communication Systems**
Formerly .38415
For Commercial radio stations, see 384.5
- .3849 Applications of Radio**
Formerly .38419
Comprehensive material only
Includes radio broadcasting
It is recommended that specific applications be classified with specific number, e.g. **Radio aids to navigation (marine)**, 623.894; **Radio landing aids (aeronautics)**, 629.16
For Radio show production, see 792.94; **Radio advertising**, 659.14; **Radio in teaching**, 371.333; **Radio in adult education**, 374.26; **Radio speech**, 808.5
- .385 Telephone (Wire)**
Includes telephone systems (party line, intercommunication systems, central switchboard systems, automatic systems)
For Radiotelephone, see 621.384
- .388 Television**
Includes systems (wire and wireless)
- .3883 Television Apparatus**
Includes construction, operation, maintenance, testing
- .3889 Television Broadcasting**
For Television show production, see 792.95
- .389 Other Electrical Communication**
Electric bells and buzzers, electric alarms, public address systems
- .39 Other Applications of Electricity**
It is recommended that specific applications be classified with specific numbers, e.g. **Electricity on farm**, 631.37; **Household electrical appliances**, 643.6; **Use of electricity for heating**, 697.7; **Electric welding**, 671.521

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- 621.4 Internal Combustion and Heat Engines Other Than Steam**
 Principles Design Construction Performance
 Testing
For Steam engines, see 621.11; Engineering thermodynamics, 621.01
- .41 External Combustion Engines**
Includes hot air engines
- .42 Compressed or Rarified Air or Gas Engines**
For Internal combustion gas engines, see 621.43; External combustion gas engines, 621.41
- .43 Internal Combustion Engines**
Includes engines especially designed to use gas, gasoline, and other liquid or solid fuels; gas turbines
For Aircraft engines, see 629.1435; Automobile engines, 629.25; Marine engines, 623.872
- .436 Diesel Engines**
For Diesel locomotives, see 625.26
- .437 Parts and Accessories of Internal Combustion Engines**
For Specific application, see specific engines, e.g. Diesel engines, 621.436
- .47 Solar Engines**
- .48 Atomic Energy Engines**
Use of atomic fission as source of power
- .49 Power Plants and Central Stations Other Than Steam Power Plants**
- .5 Pneumatic Machinery**
Includes air compressors; piping, mains, gages for compressed air transmission and distribution
- .54 Applications for Compressed Air**
Includes pneumatic cleaning, sandblasts, pneumatic tubes and carriers
For Pneumatic hoists, see 621.86; Pneumatic machine tools, 621.9

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- 621.56 Refrigeration**
Includes refrigerants, refrigerating systems and plants, comprehensive material on refrigeration and air conditioning
For Specific application of refrigeration, see subject, e.g. Refrigeration of foods, 664.85; Air conditioning, 697
- .57 Refrigerating Machines**
Includes ammonia machines
- .58 Ice Manufacture**
- .6 Fans, Blowers and Pumps**
Design Construction Tests
Includes rotary, centrifugal blowers; direct acting, rotary, centrifugal, fire, hydraulic pumps; steam injectors and ejectors
For Air compressors, see 621.5
- .7 Shop Management**
Engineering questions affecting establishment and operation of shops; arrangement with reference to sequence of processes, mechanical equipment, economy of power
Includes woodworking, pattern, forge, sheet metal shops; foundries, blast furnaces, rolling mills
For Design, maintenance and operation of machine and hand tools, see 621.9; Metal manufactures including sheet metal work, 671
- .75 Machine Shop Practice**
- .8 Power Transmission Machinery and Materials-Handling Equipment**
Elements Design Construction Tests
- .82 Journals, Bearings, Springs, Couplings, Clutches**
Includes Universal joints
- .83 Gears and Cams**
- .85 Belt, Rope and Chain Transmission**
- .86 Materials-handling Equipment**
Includes hoists, conveyers
For Pneumatic tubes, see 621.54

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- 621.87 Cranes, Derricks, Elevators**
- .88 Fastenings**
 Includes clamps, vises, screws and bolts, rivets, nails
- .89 Lubrication**
 For Production and properties of lubricants, see 665
- .9 Machine and Hand Tools**
 Design Maintenance Operation
 Includes use of diamonds for grinding, cutting; catalogs
 For Specific application, see specific tools, e.g. Wood working tools, 674.4
- .91 Planing and Milling Machines**
- .92 Grinding and Filing Tools**
 Includes abrasives, crushers
- .93 Cutting and Sawing Tools**
- .94 Lathes and Boring Mills**
 Includes screw and pipe threading
- .95 Drilling and Reaming Machinery**
- .98 Bending, Straightening and Shaping Machinery**
 Includes flanging and die press machinery
- .99 Gages, Jigs and Fixtures**
- 622 MINING ENGINEERING**
 Discovery and extraction of ores and economically useful minerals
 Includes mining laws
 For Metallurgy, see 669; Metal manufactures, 671-673; Economics of mineral industries, 338.2; Mineral land resources, 333.8; Conservation of mineral resources, 333.72

- 622.1 Preliminaries to Mining**
Includes mining prospecting methods, e.g. geological, geo-physical (magnetic, gravimetric, seismic, electrical, geochemical, geothermal, resistivity and radioactivity methods); mine surveying; development workings
For Economic geology, see 553; Application to specific mineral, see mineral, e.g. Prospecting for gold, 622.342
- .17 Mining Economics**
Includes valuation (mine examination, sampling and measuring, tonnage calculations, analysis of costs); organization (formation of companies, promotion and sale of stock, taxation) and management
- .2 Mining Operations**
Practices Tools, equipment, machinery
Includes quarrying, boring, shaft sinking, tunneling, stoping, timbering and roofing of mines
For Mining plant design, see 662.7; Application to specific mineral, see mineral, e.g. Blasting for marble, 622.35
- .23 Drilling and Blasting**
Methods Drills and accessories Drill sharpening
Includes selection, handling and use of blasting explosives, safety measures
For Explosives technology, see 662
- .3 Types of Mining**
Practices Special tools, equipment, machinery
Includes open pit mining, alluvial mining (placer, hydraulic, dredging and drift mining)
- .33 Mining of Mineral Fuels and Other Organic Minerals**
Practices Equipment, machinery
Includes mining of coal, peat, lignite, graphite, asphalt
May be divided like 553.2
- .338 Petroleum Mining**
Includes prospecting; well drilling
For Petroleum technology, see 665.5

-
- 622.34 Mining of Metalliferous Ores**
Practices Tools, equipment, machinery
Includes iron, copper, lead, zinc, tin, mercury, manganese, chromium, antimony, nickel
- .342 Gold and Silver Mining**
- .35 Building Stone Quarrying**
Includes marble, limestone, granite, sandstone, slate
- .36 Mining of Nonmetalliferous Minerals**
Includes mining of construction commodities (sand, gravel, gypsum, lime, asbestos), fertilizer materials (phosphate rock, potash, salt, nitrates), chemical raw materials (sulfur, pyrite, lime, fluorspar, boric acid, salt, magnesite, brucite, dolomite), ceramic raw materials (clay, feldspar, flint, glass sand), refractory materials (bauxite, silica, chromite), abrasive materials (pumice, garnet, corundum, emery), mica, talc, boron, lithium, strontium materials
- .38 Mining of Ornamental and Precious Stones**
Includes gems
- .4 Mine Ventilation, Air Conditioning, Lighting**
Methods Equipment
Includes mine gases, methods of detection
- .5 Mine Drainage**
Methods Equipment Costs
Removal of water from mines by drain tunnels and ditches, pumping
- .6 Transportation and Hoisting**
Methods Equipment
Transportation of ore, waste, timber, men and supplies on surface and underground, hoisting from one level to another
Includes loading, unloading, haulage systems, transference between two points

622.7

Ore Dressing

Methods Equipment .

Separation and saving valuable minerals from valueless material of an ore; concentration into smaller bulk and weight. Is variously termed concentration, washing, separating or milling

Includes comminution (breaking, grinding, crushing); concentration by gravity, heavy fluid, flotation, amalgamation and magnetic methods, milling plant design

For Preparation and treatment of coal, see 662.623; Metallurgical treatment of ores, including reduction and refinement, 669

.78

It is recommended that **Coal Washing** be classified in **662.623**

.8

Mine Dangers and Their Prevention

Includes fires, fall of rock and ore

.81

Explosions

Causes Occurrence

.86

Accident Prevention and Relief

Includes safety measures (signal systems, inspection and investigation of conditions, safety apparatus); organization for rescue and relief, first aid

623

MILITARY ENGINEERING

Military construction (fortifications, cantonments and depots, roads, bridges, pipe lines, railroads); design and use of weapons used in warfare, surveying, mapping, and procurement, storage and issue of engineering supplies

For Maneuvers, strategy, tactics, see 355; Engineer Corps, 356.94

.1

Fortification

Strengthening defensive positions, places or areas by construction of military works

Includes permanent fortifications and field or temporary fortifications

623.2 Offensive Engineering Operations

Includes demolition of fortifications, mine fields, booby traps, bridges, rail communications, roads, docks, cutting of wire entanglements

.3 Defensive Engineering Operations

Includes mine laying, creation of obstacles and preparation of demolition of communication facilities

.38 Design and Construction of Defenses Against Bombs and Shells**.4 Ordnance**

Design of weapons, such as guns, small arms, tools and machinery used for war

Includes naval ordnance (formerly classified in 623.9)

For Gunsmithing, see 683; Gunners, 623.5

.41 Artillery

Guns of greater caliber than small arms and generally too heavy to be carried by hand

Includes field, sea coast and anti-aircraft, naval guns

.42 Types of Artillery

Includes guns, howitzers, mortars

.43 Mounts and Carriages - Towed Vehicles

Includes tanks, half-tracks, self-propelled artillery (tank destroyers), towed artillery

.44 Small Arms and Other Weapons

Includes rifles, rifle grenades, carbines, pistols, machine and submachine guns, side arms (swords, bayonets, trench knives), bazookas

For Gunsmithing, see 683

.445 Chemical Warfare Weapons

Includes flame throwers, mortars for smoke and gas projectiles

623.45

Ammunition

Projectiles used with all types of firearms, together with requisite propellants, bursting charges, fuses, cartridge cases and means of ignition

Includes small arms ammunition (cartridges, bullets)

For Explosive manufacture, see 662.2

.451

Projectiles

Missiles used in modern warfare

Includes bombs (demolition, fragmentation, gas and chemical, incendiary); grenades; shells (explosive, chemical, incendiary, gas, smoke, star); torpedos, rockets, guided missiles

Incendiary bombs was formerly classified in 623.45431, Rockets in 623.45432

For Gunsmithing, see 683; Chemical and bacteriological warfare, 356.93

.452

Explosives

Chemical compounds used for propelling charges, bursting and demolition charges

Includes nitrocellulose powders, TNT, cordite, melanite, amatol, fulminate

For Explosive manufacture, see 662.2

.454

Detonators

Includes fuses

It is recommended that Incendiary bombs and Rockets be classified in 623.451

.46

Artillery Accessories

Includes sighting and laying apparatus, range finders, telescopes, aiming circles, computers

For Gunsmithing, see 683

.5

Gunnery

Practical handling of artillery fire

Includes sighting, range finding, firing and mathematical theory

For Gunsmithing, see 683

- 623 53 Ballistics**
 Science which deals with motion of projectiles
 Includes interior ballistics (movement of projectile within the bore) ballistic tables instruments
- .54 Exterior Ballistics**
 Movement of projectile from time it leaves muzzle until it comes to rest
 Includes trajectory
- 6 Military Engineering Operations**
 Protection Obstruction Demolition Construction
 Operation Repair
 Includes temporary and rapid construction operation and repair for military purposes of roads railways harbors docks bridges power and light systems and water supply
For Military architecture see 775 1 Construction 690
- 7 Military Adaptations of Peacetime Techniques**
- 71 Military Topography**
 Art of military sketching map making and reading
 Includes mosaics photogrammetry and reading of aerial photographs
- 73 Military Communications**
 Includes military use of signal communication teletype telephone telegraph radi (wilkic fillic)
- 74** It is recommended that **Military Aeronautics** be classified in 629 1
- 77 Camouflage Engineering**
- 8 Naval Engineering**
 Design construction equipment and handling of ships
- 81 Naval Architecture**
 Design of ships
 Includes calculations and considerations of stress and moments stability displacement resistance and speed rolling structural strength tonnage steering and manueuvring
For Graphic statics see 531 2 Strength of materials 620 11 Fluid mechanics 532

623.82 Shipbuilding

Construction Maintenance Repair

Includes construction of model ships of all types

.821 Historic Ships

Includes galleys, privateers, clipper ships, early warships

623.822-623.829

MODERN SHIPBUILDING**.822 Sailing Ships**

Includes small sailing craft, racing yachts, cruisers

.823 Small Power Craft

Includes motorboats

.824 Passenger and Cargo Ships

Includes passenger liners, cargo ships, bulk carriers (grain, coal), tankers (liquid cargo) for ocean and inland water transport, power yachts

*For Description of liners, see 387.54; Merchant marine, 387.5***.825 Warships**

Includes battleships, aircraft carriers, cruisers, destroyers, submarines, motor torpedo boats (PT), patrol craft, landing craft (LST, LCC, LCM)

*For Number, disposition, see 359.31***.828 Special Purpose Ships**

Includes trawlers, dredgers, icebreakers, fireboats

.829 Other

Includes hand propelled craft (canoes, lifeboats); towed craft (barges, scows)

.83 Shipbuilding Facilities

Includes design and construction of model tanks and basins for experiment, slips and launching ways, drydocks, mold-lofts

623.84

Building the Hull

Use of wood steel alloys construction of body of ship (shell plating, framing decks and bulkheads)
Includes joinery riveting welding sheet metal work for shipbuilders (loftsmen ship fitters shipwrights)

.85

Electrical, Mechanical and Chemical Accessory Systems

.852

Marine Electricity

Includes equipment installation

It is recommended that **Masts** and **Gear** be classified in 623.86

For Electrical engineering see 621.3

853

Marine Heating, Ventilating and Refrigeration

For Heating and ventilation, engineering see 697, Refrigeration engineering 621.56

854

Marine Sanitation Systems

Includes water distillation fire detection and protective systems

For Public health see 614

.86

Equipment and Outfit

Includes rigging (rope masts booms yards sails, cordage) gear (arrangement of machinery for working pumps rudder anchor cargo), nautical instruments wireless equipment signal lights, life saving equipment

Gear and Masts was formerly classified in 623.85

.87

Marine Engineering

Invention Design Building Installation Operation Repair

Study of marine propulsion machinery and its auxiliaries

For Theory of resistance see 532.5 Design involving calculation of resistance, 623.81

- 623.872 Marine Engines**
Includes steam engines (reciprocating and turbines), Internal combustion engines (gas, marine, Diesel)
Marine engines was formerly classified in 621.12
For Steam engineering, see 621.1; Diesel engineering, 621.436
- .873 Marine Engine Auxiliaries**
Includes marine piping, condensers, blowers, pumps, boilers, gears, propellers and propulsion shafting
- .874 Marine Fuels**
- .88 Seamanship**
Art and science by which all vessels are handled
Includes ship handling (steering, small boat handling, towing, rescue at sea, formation); marlinespike seamanship (care, handling, knotting, splicing and use of wire and fiber rope); Rules of Road; use of ground tackle
- .89 Navigation**
Art and science of determining position of vessels at any time and conducting them from one position to another
Includes problems of position, distance and direction
For Celestial navigation or nautical astronomy, see 527
- .892 Geo-navigation**
Includes piloting or conduct of vessels in channels, harbors and along coasts where landmarks and aids to navigation are available for fixing position; dead reckoning; methods of establishing distance covered and point reached by compass, observation, log reading
- .893 Electronic Navigation**
Navigation by radar, loran, Decca, Console
- .894 Aids to Navigation**
Includes lighthouses, lightships, buoys (silent, sound, underwater sound signals); government charts and publications, e.g. Light Lists, Sailing Directions, Navigational Tables, Tide and Current Tables

- 623.9** It is recommended that **Armor Protection of Warships** be classified with **Warship Construction**, 623.825; **Naval Ordnance** with **Ordnance**, 623.4

624 STRUCTURAL ENGINEERING

Arrangement and proportioning of parts or elements of a structure so that its function may be achieved with safety and economy

Includes bridge, building, foundation, underpinning engineering
For Design of structures for beauty, see 720; Construction of buildings, 690; Dam engineering, 627.8; Port engineering, 627.3

.1 General Principles of Structural Engineering

.15 Earthwork and Foundation Engineering

Includes excavating, shoring, pile foundations

.151 Mechanics of Engineering Soils

Identification and classification Site investigation

Includes engineering properties of soils (shear strength, moisture density relationship, permeability, compressibility); earth pressure, including stability of slopes and foundations

.152 Tunneling

For Specific purpose tunnels, see subject, e.g. Railroad tunnels, 625.13

.16 Retaining Walls, Embankment Engineering

Includes abutments

.17 Theory of Structure

Includes statically indeterminate structures

For Graphic statics, see 531.2

624.171**Stress Analysis**

Determination of magnitudes and forces which must be resisted by parts or materials of structures

Includes determination of loads which arise from weight of construction, use of structure, such natural forces as wind pressure, earthquake, weight of snow and ice; impact, lateral forces and reactions (shear, bending moment)

.177**Design of Structural Elements**

Determination of materials to be used, shape and size of individual members in order to provide safety

Includes restrained and rigid beams, girders, columns, arches, slabs, trusses, frames and structural fastenings and connections (bolts, rivets, pins, electric arc welding)

.18**Systems of Structural Engineering**

Includes timber, masonry (brick, cement, concrete, reinforced concrete), iron and steel construction

.2**Girder Bridges**

Includes comprehensive treatment of all types of bridges floor systems

For Girder design, see 624.177; Railroad bridges, 625.13

.3**Trussed Bridges**

Includes cantilever bridges

For Truss design, see 624.177

.5**Suspension Bridges****.6****Arch Bridges**

For Arch design, see 624.177; Historic arch forms, 729.3

.7**Compound Structures**

Includes plate girder and suspension, trussed arch bridges

.8**Movable Bridges**

Includes drawbridges, swing, life, pontoon bridges

625 TRANSPORTATION ENGINEERING

Design Construction Maintenance Operation

For Transportation administration, regulation, finance, facilities, services, see 385-388; Architecture of transportation buildings, 725.3; Channels of communication in city planning, 711.7

.1 Railroad Engineering

Design Construction Maintenance

Includes standard gage and special types of railroads, e.g. narrow gage, elevated, underground, cable, street

Electric traction was formerly classified in 621.33

For Railroad transportation, see 385.1

.11 Railroad Surveying

Includes reconnaissance, preliminary, locating surveys; grades, curves

.12 Roadbed

Includes railroad earthwork, e.g. grading, drainage, cuts and fills

.13 Auxiliary Structures

Includes railroad tunnels, railroad bridges

.14 Railroad Tracks

Design, construction, maintenance of tracks

.16 Track Accessories

Includes signals, switches, turnouts

.19 Model Railroads

Includes model trains

.2 Rolling Stock

Design Construction Maintenance

.22 Cars

Includes carbuilding (formerly classified in 699)

-
- 625.25 Accessory Equipment**
 Includes brakes, couplings
- .26 Locomotives**
 Includes steam locomotives (formerly classified in 621.13);
 Electric locomotives (formerly classified in 621.334); Diesel
 locomotives
- .27 Railroading**
 Tram operation
- .7 Highway Engineering**
 Design Construction (materials, equipment, processes)
 Maintenance
 Includes pavements (formerly classified in 625.8)
 For Street cleaning and snow removal, see 628.4
- .79 Traffic Engineering**
 Operation of highway systems Traffic planning
 Includes traffic characteristics, control devices, e.g. traffic
 signals and signs
- .8 It is recommended that Pavements be classified in 625.7**
- 626 It is recommended that SHIP CANALS and LOCKS be
classified in 627.13; IRRIGATION CANALS, in 627.5**
- 627 HYDRAULIC ENGINEERING**
 Materials Apparatus Processes
 Water control, e.g. regulation of and protection against its
 natural action, its artificial conveyance for useful purposes,
 mechanical utilization of its force
 Includes hydraulic models, dredging
 For Water supply engineering, see 628.1
- .1 Inland Waterway Engineering**
 Improvement of inland waterways for transportation
 For Inland waterway transportation, see 386
- .12 River Engineering**

-
- 627.13 Canal Engineering**
Construction of ship canals (formerly classified in 626.9)
Includes locks (formerly classified in 626.4)
- .2 Harbor Engineering**
Improvement of harbors to keep them open and safe
Includes breakwaters
- .3 Port Engineering**
Design and construction of port facilities, e.g. docks, piers, wharves
For Aids to navigation, e.g. lighthouses, buoys, see 623.894
- .4 Flood Control Engineering**
Preventive and protective control of floods
Includes improvement of channels to lower flood heights; construction of flood control reservoirs, levees, river walls
- .5 Reclamation Engineering**
Reclamation of arid, marshy, or other waste land by construction of drainage and irrigation systems
Includes irrigation canals (formerly classified in 626.8)
For Agricultural drainage and irrigation, see 631.6-7
- .8 Dam Engineering**
Design and construction of dams
Includes sluices, spillways, weirs
- 628 SANITARY ENGINEERING**
Design, construction, operation of all works contributing to public health
For Public health measures for sanitation and control of environment, see 614.7
- .1 Water-supply Engineering**
Waterworks or water-supply plants; procurement, storage, distribution, consumption of water
- .16 Water Purification**
Aeration, coagulation and sedimentation, filtration, disinfection of raw waters for removal of iron, color, taste, odor, hardness, turbidity

628.3 Sewage Disposal

Includes sewage disposal plants, sewage collection, sewage treatment by dilution, screening, tank and secondary treatment; disposal of liquid effluent and sludge

.4 Municipal Sanitation

Street cleaning; collection of municipal wastes, e.g. garbage, ashes, street sweepings, dead animals, rubbish; refuse disposal by incineration, burying, reduction
Includes snow removal

.5 Industrial Sanitation

Trade waste utilization, treatment, disposal
Includes industrial plant sanitation; treatment of air pollution from effluvia and smoke, stream pollution from trade wastes
For Waste recovery and utilization in specific manufactures, see manufactures, e.g. Waste liquor recovery in pulp manufacture, 676.1

.8 It is recommended that **Heating, Ventilating and Air Conditioning Engineering** be classified in 697

.9 It is recommended that **Illumination Engineering** be classified in 621.32

629 OTHER BRANCHES OF ENGINEERING

Includes comprehensive material on automotive engineering (aeronautical, motor vehicle)

629.1-629.18

In order to shorten the base number for aeronautics, 3 has been dropped from 629.13, the number used in previous editions

.1 Aeronautics

Includes military aeronautics

For Air transportation including economics, business, and finance of air transport, see 387.7; Vocational guidance in aeronautics, 371.425

629.107**Study and Teaching**

Includes aeronautical research and experimentation, laboratories and wind tunnels; education and training aeronautics; engineering colleges, technical institutes

For Training in specific fields of aeronautics, see specific number, e.g. Flight training, 629.126; Courses of study and curricula designed for elementary and secondary schools, 375

.109**History**

Includes broad studies of air policy, accounts of flights and flight records

For Accounts of flights by balloon or airship, see 629.132

.12**Basic Considerations****.123****Aerodynamics of Flight****.125****Air Navigation**

Includes astronomy for air pilots (celestial and electronic navigation; aids, aerial maps, charts, almanacs)

It is recommended that Aviation medicine be classified in 616.98; Commercial airways and aerial routes, 387.72

For Navigation instruments, see 629.15

.126**Piloting of Airplanes Flying**

Includes flight training, instrument flying

For Fighter pilot training, see 358.43

.13**Aircraft****.131****Aircraft Models and Model Making****.132****Lighter than Air**

Development	Description	Design	Construction
Operation			

Includes balloons, blimps, airships, and accounts of flights by balloon or airship

- 629.133 Heavier than Air Airplanes**
Development Description Identification
Includes transport, military, personal and research types
of aircraft; seaplanes, flying boats, amphibians
For Guided missiles, see 623.451
- .1333 Gliders Soaring Planes Soaring Flight**
- .1335 Rotating Wing Types**
Autogiro Helicopter
- .1339 Other Heavier-than-air Aircraft**
- .14 Airplane Design and Construction**
Includes performance, performance calculations, testing,
comfortization (heating, ventilating), interior design
- .141 Stress Analysis and Structures**
- .142 Aircraft Production and Maintenance**
Includes materials, drafting room practice, riveting, sheet
metal work, welding
- .143 Parts and Details**
Wings, fuselages, control surfaces
Includes electric and hydraulic equipment and landing
gear
- .1435 Aircraft Power Plants**
Includes general, reciprocating, and compound engines
- .14353 Jet and Rocket Engines, Gas Turbines**
Rockets and interplanetary travel
- .1436 Propellers**
- .144 Protective and Safety Devices**
- .15 Aircraft Instruments**
Includes flight, navigation, engine instruments
For Meteorological instruments, see 551.591

-
- 629.16 Airports Airdromes Seadromes**
 Location Design Construction
 Includes landing aids and communications equipment
 Where interest in airports lies chiefly in communication planning, class in 711.7; if in architecture, 725.3
 For Airport administration and regulation, see 387.73
- .18 Uses Operating Problems**
 Includes use of aircraft for crop dusting, pipe line patrol, forest patrol, prospecting, and sky writing; technical and engineering aspects of operation of airplanes for commercial air transport, e.g. airplane weight and balance problems, cargo loading, refuelling in flight, cruise control for efficiency, noise, ice prevention and removal
 For Air sports, see 797.5; Aerial photography, 778.3; Photogrammetry, 526.98
- .2 Motor Vehicle Engineering**
 Includes registration, title, taxes, licenses, inspection, financial management, model making
 For Insurance, see 368.57, Form divisions 01-09, p. iv
- .22 Motor Vehicles**
 Description of passenger automobiles (private, taxicabs, buses); trucks, tractors; handbooks and manuals for specific makes of cars
 For Automobiles characterized by type of motor, e.g. electric automobiles, see 629.25, Design and construction, 629.23 - 27; Operation, 629.28
- .226 Trailers**
 Description Construction
- .227 Bicycles and Motorcycles**
 Description Operation Repair
- .23 Motor Vehicle Production**
 Includes automotive materials, production methods, equipment, plant especially used in automobile production; testing of automobiles
 For Testing of materials, see 620.112

-
- 629.24 Design and Construction of Automobiles**
Includes running gear (frame, springs, axles, wheels); transmission (clutch, change speed gear, drive shaft with universal joints, differential); control system (steering device, throttle and spark control, hand levers, foot pedals, brake system)
- .25 Automobile Power Plants**
Includes steam, electric and internal combustion (gasoline, Diesel) engines and their parts (cylinders, pistons, bearings, valves, manifolds)
For Repair, see 629.287
- .253 Fuel and Fuel System**
Includes carburetor
- .254 Ignition System**
- .255 Lubrication System**
- .256 Cooling System**
- .26 Automobile Body Work**
Includes trimming, finishing
- .27 Automobile Accessories**
Includes lights, signals
- .28 Operation of Motor Vehicles**
Includes safe driving; operation of passenger automobiles, motor trucks, tractors
For Training and testing of drivers, see 629.207; Automobiling, 796.7
- .287 Maintenance and Repair of Motor Vehicles**
Includes greasing, lubrication, repair of all parts; service and repair manuals of specific make cars

630 AGRICULTURE

For Rural sociology, see 301.35; Form divisions .1-9, p. lv; exception .2 follows:

- 630.24 Agricultural Chemistry**
For Specific applications, see subject, e.g. Soil chemistry, 631.41

631 FARM MANAGEMENT

For Application of following to specific products, see product, e.g. Management of truck garden farm, 635; Animal husbandry, 636-639

- .1 Business Management of Farms**
Techniques
Includes problems of selection (location, means of communication, value), rental (share system), layout, types of farm
For Land economics, see 333; Economic theories and statistics of agricultural production, 338.1
- .16 Financial Management of Farms**
Accounting Bookkeeping
Where interest lies chiefly in Accounting, class in 657.5
- .18 Marketing of Farm Products**
Includes cooperative market
For Marketing specific products, see product, e.g. Melons, 635.6; Agricultural markets, prices, 338.1
- .2 Farm Buildings**
Where interest lies chiefly in Architecture, class in 720; e.g. Farm houses, 728.6; Outbuildings, 728.9

631.3-632 SOIL AND CROP MANAGEMENT

For Specific crop management, see crop, e.g. Wheat production in U. S., 633.1

- .3 Farm Machinery and Equipment**
Operation Maintenance Catalogs

631.37 Power and Power Machinery on the Farm

Sources of power Engines Tractors

*For Rural electrification, see 338.39***.4 Pedology**

Study of soils

Includes analysis, experimentation, surveys and classification of soils of specific localities

.41 Chemical Composition**.411 Soil Mineralogy****.43 Physical Properties**

Includes colloidal, organic matter; moisture

.45 Erosion Control

Wind erosion Water erosion

Includes contour and strip planting, terracing, control of gullies with soil holding plants, crop rotation, grassed channel ways to carry off water, cover crops for seasonal practices, use of crop residues and mulches as methods of conservation, tree strips

*For Economic theory, legislation, and public policy of conservation of agricultural land, see 333.76; Irrigation, 631.7; Fertilizers, 631.8***.46 Biological Processes**

Includes nitrification and inoculation (formerly classified in 631.8472); microbiology of soils

.5 Crop Production

Tillage (preparation and working the soil) Propagation (increase of new plants from existing plants by planting, grafting, cuttings, layering) Growing (pruning, sheltered growing) Harvesting Storage

For Fertilizers, see 631.8; Irrigation, 631.7; Specific crop production, the crop, e.g. Corn and corn growing, 633.1; Power and power machinery, 631.37

631.52

Breeding

Regulation and inspection Catalogs Seed industry
Crossing Hybridizing

Origin of new plants (new species and new varieties)

.58

Special Methods

Includes soil management (crop rotation and fallowing); dry land farming; soilless culture (variously called hydroponics, tank, chemical, water culture)

.6

Drainage

Draining of swampy or marshy ground by simple ditches and drains

For Engineering construction, see 627-628; Economic aspects, legislation, and public policy of drainage, 333.72. Reclamation which includes drainage and irrigation as major engineering or national economic problems, 628 or 333.72

.7

Irrigation

Distribution and storage of water by simple ditches or irrigation canals, wells or reservoirs

For Engineering construction, see 627-628; Economic aspects, legislation, and public policy, 333.72. Reclamation which includes drainage and irrigation as major engineering or national economic problems, 627 or 333.72

.8

Fertilizers and Manures

Source Production and manufacture Analysis Use
Control (legislation and inspection)

Includes commercial fertilizers (formerly classified in 668.6)

.82

Minor Elements

Includes calcium (lime), sulfur (from gypsum), magnesium, manganese, iron, boron, copper, zinc

.83

Potash Fertilizer Materials

Includes muriate of potash (potassium chloride), sulfate of potash, Kainit or manure salt, wood ashes, seaweed

631.84 Nitrogenous Fertilizer Materials

Includes nitrate of soda, sulfate of ammonia, dried blood, tankage, fish, muck, peat, humus, the synthetics (ammonium nitrate, cyanamid, calcium nitrate, urea and ammonia liquors)

It is recommended that **Soil inoculation and nitrification** be classified in 631.46

.85 Phosphoric Fertilizer Materials

Includes rock phosphates, superphosphates or acid phosphates, basic slag, bone meal

.86 Manures

Includes horse, cow, hog, poultry, sheep manures, guano (formerly classified in 631.854)

.87 Vegetable Manures

Includes green manures (rye, clover, vetch, cow peas which are plowed under while still green), compost (decomposed or refuse materials, e.g. leaves, vegetable, peat moss)

632 INJURIOUS FACTORS IN CROP PRODUCTION

Origin Dissemination Effects Control

Includes diseases, pests and blights

For Injurious factors in animal husbandry, see 636

.1 Elements

Includes extremes of heat, cold; hail, wind, floods, drought

.2 Galls**.3 Bacteria**

Includes bacterial blights (fire blight, wilt, black rot)

For Systematic classification and discussion of bacteria, see 589.9

.4 Fungi

Includes rusts, smuts, bunts, mildews, molds, rots

For Systematic classification and discussion of fungi, see 589.2; Fungicides, 632.95

- 632.5 Injurious Plants**
Includes injurious parasitic plants, e.g. mistletoe, dodder
- .58 Weeds**
Includes bindweed, mesquite, prickly pear, crab grass
- .6 Injurious Animals**
Includes birds, rodents
- .7 Injurious Insects**
Includes grasshoppers, locusts, crickets, plant lice, scale insects, beetles, weevils, maggots, flies, midges, fleas, moths, caterpillars, ants, wasps
For Insecticides, see 632.95; Systematic classification and discussion of insects, 595.7
- .8 Other Injurious Factors**
Includes virus infections
- .9 Control**
Includes inspection and regulation by government; quarantine, spraying, fumigating, by natural enemies; biological control
- .95 Preparations**
Includes fungicides, insecticides, rodenticides, herbicides, bactericides, pesticides, DDT

633-635 PRODUCTION OF SPECIFIC CROPS

Business management Propagation Varieties
Growing Yield Storage Marketing

For Crop production in general, see 631.5; Economic theories of agricultural production, e.g. Overproduction of wheat, 338.17

633 FIELD CROPS

Plants grown in fields under an extensive system of culture
Includes forage crops when considered inclusively (pasture grasses, cereals and legumes grown for hay, pasture or silage; and root crops used for feeding livestock)

- 633.1 Cereals or Grain Crops**
Grass grown for its edible grain
Includes wheat, oats, barley, rye, corn, grain sorghum, grain flax, buckwheat, rice, seed producing millets
- .2 Pasture Grasses**
Grasses upon which animals graze or pasture
Includes blue grass and the hay grasses (redtop, orchard grass, timothy)
- .3 Pasture Legumes**
Includes alfalfa, clover, sweet clover and lespedeza
- .4 Root Crops**
Plants whose principal value is underground part which is used instead of hay
Includes true roots (sugar beets, turnips, rutabagas, stock beets) and tubers (sweet potatoes)
For Potatoes, carrots, parsnips and sweet potatoes used as vegetables, see 635.1 and 2
- .5 Fiber Crops**
Plants grown primarily for textile or other industrial uses
Includes cotton, hemp, flax
- .6 Sugar Crops**
Plants selected and developed for their sugar
Includes sugar cane, sugar beet, sorghum
For Sugar beets used for fodder, see 633.4; Sorghum as cereal, 633.1
- .7 Alkaloidal Crops**
Plants grown for use as stimulants
Includes tobacco, tea, coffee, cocoa
For Manufacture of tea, coffee, cocoa, see 663.9; of tobacco products, 679.2
- .8 Miscellaneous Field Crops**
Includes plants under extensive culture for use as flavoring; as source of oil, dye
For Herbs grown intensively in gardens, see 635.7

633.88

Medicinal Plants

Includes ginseng, quinine, digitalis

634

FRUIT CULTUREPropagation
Marketing

Varieties

Growing

Yield

Storage

Includes small fruits, nuts

May be divided alphabetically by name of fruit instead of numerically as follows:

For Diseases and control, see 632

.1

Apple Family Fruits

Includes pear, crabapple, quince

.2

Peach Family Fruits

Includes plum, cherry, apricot

.3

Citrus Family Fruits

Includes orange, grapefruit, lime, lemon

.4

Other Tropical Fruits

Includes guava, papaya, mango

.5

Nuts

Includes walnut, butternut, hickory nut, pecan, chestnut, hazel nut, almond

.6

Palm Family and Miscellaneous Fruits

Includes coconut, date, olive, avocado

.7

Small Bush or Herblike Fruits

Includes currant, blackberry, raspberry, blueberry, cranberry, strawberry, pineapple, banana

.8

Grapes

Table, wine, raisin

.9

Forestry

Art and science of managing forests and converting the product to greatest economic and industrial service

For Form divisions 01-09, see p. lv

634.92**Forest Economics**

Includes physical influence of forests upon soil, water resources; their social influence upon man

.925**Forest Policy**

Public forests Private forests

Principles which govern the administration of the forest for its best permanent use

Includes formulation of laws and policies; conservation of water, wild life, timber for future use; forage for livestock; esthetic and spiritual values; facilities for recreation

For Forests as part of natural resources conservation problem, see 333.75

.927**Statistics of Forest Resources**

Forest resources includes forest land area together with growing stock or timber capital it carries

Includes statistics of amount and value of production; distribution, consumption of timber; forest industries

.928**Forest and Forest Industries Management**

Personnel Business management (accounting, budgets and accounts) Preparation of plans Finance (valuation, insurance, taxation) Mensuration (determining volume of timber stands, growth and yield)

.94**Forest Ecology or Silvics**

Reaction of individual trees and tree groups to environment
Includes site factors (light, soil, moisture, climate)

For Action of forests on environment, see 634.92

.95**Silviculture**

Establishment, development, care and reproduction of stands of timber

Includes silvicultural systems of reproduction (selection, seed tree, clear cutting, shelterwood and coppice); improvement cutting and thinning

634.956

Forestation

Establishment of forest stands
Includes seeds and seedage, planting or reforestation,
nursery practice

.96

Forest Protection

Includes methods of protecting forests from fire, climatic
influences, pests, trespass grazing

For Bacteria, fungi, insects injurious to specific trees, see
632, *Legislation*, 634.925

.97

Taxonomic Forestry

Application of forestry principles to individual tree species

.972

Deciduous Trees

Includes oak, maple, poplar, chestnut, beech, birch,
linden, elm

.975

Coniferous Trees

Includes pine, spruce, hemlock, fir, cypress, cedar, larch,
sequoia

.98

Forest Utilization

Most profitable use of forest products

Includes logs and logging and rough uses to which wood is
put (cross ties, poles, piling, posts, mine timbers), wood
identification, structure, tests, properties

*For Lumbering, see 674, Chemical utilization of wood
and wood distillation, 665.7, Charcoal, 662.65, Wood
pulp, 676.12, Wood using industries (cooperage, veneer,
excelsior), 674.8, Lumbering properties, 620.12*

.986

Saps

Production of natural stores, latex, maple sap, natural gums
and resins

For Manufacture or utilization of latex into rubber, see
678.5, *Use of gums and resins in plastics, 668.4, Planting
and growing of trees, 634.95*

.99

Other Uses of Forests

Includes grazing and pasture use, farm woodlands

635 HORTICULTURE

Business management Propagation Varieties Growing
or culture Diseases and control Storage Marketing

Plants usually grown on a smaller scale than field crops; for food, ornament, home use, or commercial market

Includes gardening, truck gardening, home gardening, vegetable gardens, flower gardens

May be arranged alphabetically by name of vegetable instead of numerically as follows:

For Landscape gardening (design, planning, descriptions of gardens), see 712; Vegetables grown extensively as field crops or for pasture or fodder, 633

.1 Edible Roots

Includes beets, turnips, carrots, parsnips, radishes

.2 Edible Tubers and Bulbs

Includes potatoes, onions

.3 Edible Leaves, Flowers, Stems

Includes asparagus, artichokes, cabbage, Brussels sprouts

.4 Greens

Includes spinach, chard, rhubarb

.5 Salads

Includes lettuce, celery, water cress

.6 Edible Seeds and Fruits

Includes melons, squash, cucumbers, tomatoes, beans, peas, corn

.7 Condiment and Sweet Herbs

Includes mint, dill, anise, caraway, parsley

.8 Mushrooms

Includes truffles

635 9

Flower Gardening or Floriculture

Flowers and ornamental plants grown for home use or commercial market

Includes management of florist business greenhouses nurseries flower shows culture of special kinds of gardens e.g. rock water tropical

For Description planning and use of flowers to achieve specific purpose in landscape design see 712 67 *Systematic classification and discussion of flowers* 583-589

93

Individual Plants

Propagation Breeding Growing Diseases and control Harvesting Marketing (picking shipping)

Includes specific flowers e.g. roses orchids lilies geraniums ferns grass

931

Annuals and Biennials

932

Perennials

96

Plants for Home Use

Includes house plants window gardens miniature gardens use and management of cut flowers

97

Ornamental Shrubs Vines Trees

Includes climbers

977

Ornamental Trees

Includes culture of trees for shade city streets and ornamentation

For Use in landscape planning see 715 *Plant tree culture* 634 *Forest stands of trees* 634 9 *Systematic classification and description of trees* 557 16

636

ANIMAL HUSBANDRY

Management Breeding Care Feeding Training Judging Diseases and control

Includes birds fish bees and mammals

For Scientific classification and description see 590

08

Techniques of Livestock Production

636.081 Business Management

Includes problems of selection of stock, finance, management of stock farms, ranches, ranges

For Ranges as problem of land use, see 333.74

.082 Stock Breeding

Includes inbreeding, crossbreeding, artificial insemination, control of sex and reproduction

.083 Care of Stock

Includes protection from predatory animals, extremes of climate; grooming, cleanliness, care of harness

For Architecture of stables, see 728.9; Prevention and treatment of disease, 636.089; Food, 636.085

.085 Nutrition

Composition Experimentation Nutritive value
Adulteration legislation

Includes fodder, silage, commercial preparations and individual foods, e.g. hay, oats, corn (formerly classified in .086), garden crops, animal and mineral food (formerly classified in .087)

.086 It is recommended that **Hay, Oats, Corn** be classified in .085

.087 It is recommended that **Garden Crops, Animal and Mineral Food** be classified in .085

.089 Veterinary Medicine

Veterinary medicine was formerly classified in 619

.0891 Anatomy

Includes histology, embryology

For Comparative anatomy, see 591.4

.0892 It is recommended that **Physiology** be classified in 591.1

636.0894

Public Health and Preventive Medicine

Includes laws relating to practice of veterinary medicine (veterinary jurisprudence); control and eradication of infectious livestock diseases (formerly classified in 614.9)

For Control of health hazards in milk and milk production, see 614.3

.0895

Therapeutics

Treatment of disease

Includes pharmacology, posology

For Treatment of specific diseases, see disease

.0896

Internal and Clinical Disease

Etiology (cause)	Pathology (nature)	Treatment
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Includes diseases of special organs (lungs, liver, kidney); parasitic diseases; diseases due to specific infection or virus, e.g. tuberculosis, anthrax, foot and mouth disease, rinderpest, malaria

For Diseases of specific animals, see animal

.0897

Surgery

Includes dentistry

.0898

Obstetrics**636.1-636.9 PRODUCTION OF SPECIFIC ANIMALS**

Selection	Breeding	Care	Feeding
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Business management	Diseases and control
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Showing	Marketing
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May be arranged alphabetically by animal instead of numerically as follows

.1

Horse Husbandry

Includes Oriental, light or race, saddle, heavy or dray horses, ponies

For Horse racing, see 798.4; Horsemanship, 798.2; Horse shows, 798; Scientific description and classification, 599.72

-
- 636.18 Allied Animals**
Includes mule, burro
- .2 Cattle Husbandry**
- .21 Beef and Dairy Cattle Production**
For Production of specific breeds, see breed, e.g. Breeding of Jerseys, 636.22; Scientific description and classification, 599.73
- .22 English Cattle**
Includes beef breeds (Shorthorns, Hereford, Aberdeen Angus); dairy breeds (Jersey, Guernsey, Ayrshire); dual purpose breeds (Devon, English longhorns)
- .23 German, Dutch, Swiss Cattle**
Includes beef breeds; dairy breeds (Holstein, Frisian) dual purpose breeds
- .28 American Cattle**
Includes beef breeds (Texas longhorns); dairy breeds (Holderness)
- .29 Allied Animals**
Includes domesticated reindeer, buffalo, camel
- .3 Sheep, Goat Husbandry**
Sheep farm management Grazing management Preparation and marketing
Includes English, Spanish breeds; Merinos, Karakul sheep
For Scientific description and classification, see 599.73
- .39 Goat Husbandry**
Includes milk goats and goats produced for wool
- .4 Swine Husbandry**
Production of swine for meat, shortening
For Scientific description and classification, see 599.73
- .5 Poultry Husbandry**
Production of poultry and eggs, marketing
Includes Leghorns, Rhode Island Reds, Bantams
For Scientific description and classification, see 598.2

-
- 636.59 Other Fowl**
Includes turkey, guinea, pheasant, pigeon, duck, goose, quail
and other game birds
- .6 Aviculture**
Production of birds useful for plumage; pets
includes canary, finch, parrot
For Scientific description and classification of birds, see
598.2
- .7 Dogs**
Selection Breeding Care Feeding Training
Diseases and control
For Scientific description and classification of dogs, see
599.744
- .71 Breeds**
Includes setter, wolfhound, terrier
For Emphasis upon use of dog, see .72-.76
- .72 Working Dogs**
- .74 Watch and Herd Dogs**
Includes Seeing eye dog
- .75 Hunting Dogs**
- .76 Pet Dogs**
- .77 Pictures and Illustrations of Dogs**
For Painting of dogs, see 758
- .78** It is recommended that **Essays, Stories of Dogs** be classified in 800
- .8 Cats**
- .87 Pictures and Illustrations of Cats**
For Painting of cats, see 758; Scientific description and
classification of cats, 599.744
- .88** It is recommended that **Essays, Stories of Cats** be classified in 800

636.9 Other Animal Production

Includes mink, fox, rabbit and other animals raised for fur (fur farming); hamster, rats and mice for scientific experiments

637 DAIRY INDUSTRY

Management Production Analysis Testing Marketing

.1 Milk and Cream Industry**.11 Business Management**

Includes accounting, prices

.12 Production

Includes dairy practices, analysis and testing

.13 Care of Milk

Includes sanitation in handling; apparatus and supplies; preservation by chilling, heating, pasteurizing; transportation

.14 Utilization

Includes dry, condensed, fermented and evaporated milk

For Ice cream industry, see 664.15

.17 Other Milk

Includes goat milk

.18 Milk Substitutes**.2 Butter Industry**

Management Production Analysis Testing Marketing

For Butter substitutes, see 664.3

.3 Cheese Industry

Management Production Analysis Testing Vari-
eties Marketing

638 BEE, SILKWORM CULTURE**.1 Beekeeping or Apiculture****.11 Management**

Includes finances, selection of stock

-
- 638.12 Bees**
Includes anatomy, physiology, habits, varieties
For Scientific description and classification of bees, see 595.799
- .13 Food**
- .14 Hive Management**
Includes handling beehives (breeding, swarming control), diseases
- .16 Honey Production**
Composition Preparation Varieties Marketing
- .2 Silkworm Culture or Sericulture**
- 639 HUNTING FISHING INDUSTRIES**
Includes sponge and coral fisheries
For Hunting and fishing as sport, see 799; Conservation of wild life, 333.78
- .1 Hunting Industries**
Trapping animals for food and fur
For Hunting as sport, see 799.2; Fur farming, 636.9; Conservation of wild life, 333.78
- .2 Fishing, Sealing, Whaling Industries**
For Fishing as sport, see 799.1; Conservation of wild life, 333.78
- .21 Fresh Water Fisheries**
Fisheries are considered both as fishing industry and places where fish may be caught
For Specific fishery, see 639.27; Preservation of fish, 664.9
- .22 Salt Water Fisheries**
For Specific fishery, see 639.27
- .27 Individual Fisheries**
Includes salmon, herring, halibut, cod
For Scientific description and classification of fish, see 597
- .28 Whaling**

639.29	Sealing
.3	Fish Culture
	Management Breeding Care Diseases and control
	Includes hatcheries, stocking of fresh water and salt water
.37	Individual Fish Culture
	Includes goldfish, frogs
.4	Shell Fisheries
	Management Culture Diseases and control
.41	Oysters and Clams
.5	Lobster Fisheries
	Includes crabs and other crustaceans

640 HOME ECONOMICS

Art and science of homemaking Activities in field of home economics

641

FOOD

.01

Epicurism

Includes pleasure of eating; esthetics of cookery, epicures, gourmets

.1

Nutrition and Dietetics

Applied nutrition

Includes nutrients required to meet body needs, their proportion in various foods, application of principles of nutrition in diet control

For Laboratory techniques and methods of chemical analysis, see 543.1; Dietotherapy, 615.85

.3

Food Selection and Buying

Quality, cost, and other factors in buying food

.4

Home Preservation of Food

For Commercial methods of food preservation, see 664.8

.5

Food Preparation

Includes cook books, general recipes, and specific directions

.56

Special Cookery

Cookery for children and invalids, vegetarian recipes, religious food observances, wartime cookery

.57

Quantity Cookery

Hotel and restaurant cookery, army and navy cookery, ship-board cookery

.578

Outdoor Cookery

.58

Cooking with Special Apparatus and Utensils

Includes pressure cookery, casserole cookery

.59

National Cookery

Recipes for dishes characteristic of special regions

-
- 641.6 Preparation of Specific Foodstuffs**
Includes herb cookery, breadmaking, wine cookery
For Commercial baking, see 664.75
- .8 Composite Dishes**
For Beverages, see 663
- .81 Sauces, Relishes, Appetizers**
- .83 Salads**
- .84 Sandwiches**
- .85 Confectionery**
Candies, sweets, bonbons
For Commercial manufacture of confectionery, see 664.15
- .86 Ice Cream**
Includes ices, sherbets, puddings
For Commercial manufacture of ice cream, see 664.15
- 642 DINING AND ENTERTAINING**
- .1 Menus**
Menu planning
- .4 Entertaining**
Refreshments for luncheons, dinners, receptions, buffet suppers, banquets, teas
- .47 Catering**
- .5 Table Systems**
Table d'hôte, à la carte, and other systems of serving large numbers
- .6 Table Service**
Setting the table, carving, serving, changing courses
- .7 Table Furnishings**
Linen, china, silver, crystal

643 HOME PLANNING

Location and arrangement of the home for convenient and economic administration

For Domestic architecture, see 728; Building, 690; Interior decoration, 747

.3 Kitchen

Planning for convenience, location, arrangement, equipment

.4 Dining Room**.5 Other Special Rooms**

Bathroom, laundry

.6 Household Appliances

Electrical appliances

.7 Household Repair

644 It is recommended that **HOUSEHOLD HEATING** and **VENTILATION** be classified in 697; **LIGHTING** in 621.32

645 It is recommended that **HOUSE FURNISHING** be classified in **INTERIOR DECORATION**, 747

646 CLOTHING AND PERSONAL APPEARANCE

For Costume, see 391; Apparel manufacturing, dress design, fashion modeling, 687

.01 Fashions**.2 Needlework**

Sewing	Mending	Darning	Knitting	Crocheting
Tatting	Embroidery			

.3 Clothing Selection and Buying

Guides to quality, workmanship

.4 Clothing Construction

Directions to amateurs for cutting and fitting, remodeling, pattern making for various types of clothing and accessories for men, women, and children

For Ready-made clothing and tailoring, see 687.1

- 646.5 **Millinery**
Hat making at home
For Commercial millinery, see 687
- .6 **Care of Clothing**
Home care of clothing: cleaning, dyeing, spotting
For Commercial dry cleaning, see 667.12; Commercial dyeing, 667.2; Home laundering, 648.1
- .7 **Care of Personal Appearance**
- .72 **Beauty Shops**
- .73 **Cosmetics and Skin Care**
For Cosmetic manufacture, see 668.5
- .74 **Hairdressing and Barbering**
- .75 **Manicure and Massage**
- 647 **HOUSEHOLD ORGANIZATION AND ADMINISTRATION**
- .1 **Household Financial Plan**
Includes budgets, finances, costs, shopping and buying for the home
For Food selection and buying, see 641.3; Clothing selection and buying, 646.3
- .2 **Household Employees**
Selection, training, duties of housekeeper, hostess, cook, butler, maid, waitress, laundress, janitor, gardener
- .9 **Institution Management**
- .92 **Apartment House Management**
- .94 **Hotel Management**
Includes inns, taverns, hostels, clubs
- .95 **Restaurant Management**
Includes cafeterias, tea rooms, canteens, soda fountains, bars
- .96 **Care of Public Buildings**

647.97

Tourist Accommodation Management

Includes tourist and trailer camps, tourist homes, motor courts

648

HOUSEHOLD SANITATION

.1

Home Laundering

Home processes, equipment, supplies

For Home processes of dry cleaning, see 646.6, Commercial laundering, 667.13

.5

House Cleaning

Sweeping, dusting, polishing, dishwashing

.7

Household Pests

Control and eradication

649

HOME CARE OF CHILDREN AND HOME NURSING

.1

Child Care

Guides for parents on care and training of infants and children, then growth and development management

For Child psychology, see 136.7

.8

Home Nursing

Home care of the sick, invalids, and infirm

For Pediatrics see 618.9 Geriatrics, 618.97

650 BUSINESS AND BUSINESS METHODS

For Form divisions .1-9, see p. lv

651 OFFICE MANAGEMENT

Principles Methods

Includes all types of offices

For Typewriting, see 652.3; Shorthand, 653; Accounting, 657; Business management, 658

.02 Handbooks of Secretarial Practice

For Commercial correspondence, see 651.7

.1 Office Planning

Location Layout Physical factors: lighting, heating, air conditioning

For Architecture of office buildings, see 725.2

.2 Office Equipment

Furniture Fixtures Furnishings

.26 Appliances

Communicating equipment Dictating and recording machines Adding and calculating machines Billing and bookkeeping machines Statistical equipment and other mechanical or electronic devices for sorting and tabulating, e.g. Hollerith, I.B.M.

For Typewriter, see 652.3; Vari-Typer, 652.3; Duplicating equipment, 652.4; Shorthand machines, 653.3

.3 Office Organization

Branches Departments

It is recommended that Personnel management of office employees be classified in 658.3; Vocational guidance information in 371.425

.4 Office Administration

Office efficiency

Includes executive control

- 651.5 Office Files**
Form Procedure Treatment: filing, indexing, and preservation
- .6 Special Material**
Includes printed form sample files
- .7 Commercial Correspondence**
Letters Minutes Reports
Includes business English and style
- 652 WRITING**
- .1 Handwriting**
For Methods of teaching handwriting in elementary schools, see 372.51
- .3 Typewriting**
Includes typewriter, Vari-Typer
For Vari-Typer in composition, see 655.28
- .4 Duplicating**
Includes equipment, e.g. Mimeograph, Multigraph; stencil work
- .8 Cryptography**
Includes ciphers, codes
For Telegraphic codes, see 382
- 653 SHORTHAND**
For Dictating and recording machines, see 651.26
- .1 Principles and Theories of Shorthand ***
Legibility, reading, brevity, writing, speed, simplicity, remembering, applications, usefulness, and other aspects
- .2 Abbreviation Systems**
Abbreviation systems using common characters only, omitting silent letters, vowels, e.g. notehand, brief longhand
- .3 Machine Shorthand**
Machines imprinting characters on paper, e.g. Stenotype, Stenograph, Dictatype

653.4 Shorthand Systems

Cutter numbers may be used to arrange systems alphabetically, e g Gregg shorthand, 653.4 G819 Manuals, readers, speed tests may be kept together within each system by using lower case initials following Cutter number, e g Gregg shorthand reader, 653.4 G819r If desirable, 653.4 may be divided like 420-499 to classify shorthand systems before applying Cutter number, e g Gregg shorthand in French, 653.44 G819

654 It is recommended that **COMMUNICATION** be classified in **384; ELECTRIC COMMUNICATION ENGINEERING** in **621.38**

655 GRAPHIC ARTS INDUSTRIES

Printing Production (copyright, publishing and selling products of literary and artistic expression)

Includes management and operation of printing plants

For Production of prints produced in limited edition, by hand by the original artist, see 760-767, Book illustration, 741.6, Form divisions 01-08, p 000, 09 is not used

655.1-655.3 PRINTING INDUSTRY
History Principles Processes

.1 Printing

Invention of printing from movable type

.2 Type Composition Typography

Includes proofreading

It is recommended that **Electrotyping** and **Stereotyping** be classified in **655.3**

.24 Type Faces

Design Styles

Includes specimen books

.25 Typography

Art of designing the printed page

655.8

Composition

Typesetting by hand or machine Linotype Intertype
 Monotype Composition by photography, typewriter,
 Vari-Typer

}

Processes

Letterpress Lithography and offset lithography Gravure
 Silk screen

Includes printing from metal type; electrotypes or stereotypes (formerly classified in 655.22), from flat stone, zinc or other surfaces, or from etched or engraved steel or copper plates

.32

Photomechanical Techniques

Plate making by zinc or copper photoengraving (cuts, half-tones) Photo offset Photogravure Photogelatin or collotype Process color printing

Photoengraving was formerly classified in 777, Photolithography (photo offset), 775, Photogelatin, 774

.4

Book Production

Includes history and art of book making, history of publishing houses and presses, of book stores

History of book making was formerly classified in 002
For Printing, see 655.1-65

.45

Binding

Formerly classified in 686

.5

Publishing and Bookselling

Includes author-publisher relationships, pricing and marketing by publisher, subscription publishing, book clubs

.56

Bookselling

Organization Management Operation

Includes retail book shops, auctions, secondhand book shops, the out-of-print market

655.6 Copyright

History Law Practice

Protection of original literary, artistic or musical expression
Includes books, periodicals, newspapers, lectures, sermons,
drama, music, motion pictures, design, architecture, drawings,
maps, photographs

.63 International Copyright

656 It is recommended that **TRANSPORTATION** be classified in 385-38

657 ACCOUNTING

Principles Procedures Aids Forms, e.g. card, loose sheet, machine and punched card

For Managerial use of accounts and statements, see 658.15

.2 Bookkeeping

Single entry, double entry, debit and credit, posting, balancing, adjusting and closing

.3 Accounts and Statements

Adjustment accounts, profit and loss, balance sheet, depreciation, good will, liquidation, realization

.4 Cost Accounting

Factory and distribution cost finding Standard costs

.5 Accounting Systems

Private, financial, commercial, industrial, governmental

Where interest in an accounting system lies chiefly in its relation to subject, class in subject, e.g. Farm accounting, 631.16

.6 Auditing and Public Accounting

Internal and public auditing CPA practice Tax accounting

Includes fraud detection

651

BUSINESS MANAGEMENT

Policies Methods Operations

For Labor and labor problems see 331, Office management, 651, Accounting, 657, Advertising publicity and public relations, 659 1

.01

Theory Industrial Efficiency

.1

Establishing a Business

Preliminary planning Form of ownership e.g. proprietorship partnership corporation

For Entrepreneurship see 338 7

.14

Finance

Provision of capital

15

Financial Management

Managerial use of devices that serve as guides to successful business operation e.g. profit and loss statement balance sheet budget, cost records

16

Internal Organization

Military Line and staff Functional

2

Plant

Geographical location Local site Layout Equipment facilities Physical factors e.g. lighting heating air conditioning

For Engineering aspects of plant establishment see 621 - Construction 690 Architecture 725 2 and 4 Office arrangement and equipment 651 1-2 Industrial city planning 711 45 Industrial center planning 711 55

.3

Personnel Management

Includes personnel department office employees (formerly classified in 651 34)

.31

Employment Practices

.311

Selection of Workers

Employment agencies Employee applications Interviews Tests Selection Placement

For Labor supply and demand see 331 11

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- 658.312 Personnel Maintenance**
Follow up Promotion Transfer
- .313 Termination of Service**
Lay off Discharge Retirement Exit interviews
For *Unemployment*, see 331.13
- .315 Employer-employee Cooperation**
Employee representation in management Adjustment
of individual grievances Suggestion systems
- .32 Salary Administration**
Methods of compensation Job analysis (formerly classified in 658.511), classification, evaluation Merit rating
Use of incentives Compensation plans Payroll administration
- .38 Conditions of Employment**
- .381 Work Schedules**
Includes hours, vacations, absenteeism
- .382 Employee Welfare**
Includes health and safety programs, plant conveniences
- .386 Employee Training**
Includes job instruction, executive and foremanship training, manuals
- .5 Factory Management and Production**
- .51 Production Control**
Routing Scheduling Dispatching Simplification
and standardization of products and materials
- .511** It is recommended that **Job Analysis** be classified in 658.32
- .54 Operation Studies**
Time Motion Fatigue
- .56 Factory Organization and Control**
Methods Instructions Inspection Quality control
Waste

-
- 658.57 Industrial Research**
Includes research and development departments
- .58 Factory Maintenance**
Maintenance of machinery and equipment
- .7 Purchasing Warehousing Shipping**
Buying Classification and control Inspection Storing
Maintenance Handling equipment Stock control
Packing Shipment or delivery
- .8 Distribution**
- .801** It is recommended that **Psychology of Salesmanship** be classified in 658.85
- .81 Sales Organization**
Includes organization and operation of sales department
- .83 Market Research and Analysis**
Consumer, distributor media, product, package research
- .84 Trade Channels**
- .85 Salesmanship**
Includes psychology (formerly classified in 658.801) and techniques of selling
- .851 Salesmanship in Special Businesses** (formerly classified in 658.89)
- .86 Wholesale Trade**
Service wholesalers Export and import houses Functional wholesalers
- .87 Retail Trade**
- .871 Department Stores**
- .872 Mail Order Houses**
- .873 Chain Stores**
- .874 Independent Stores**
- .88 Credit and Collections**
Includes installment buying

- 658.89 It is recommended that **Salesmanship in Special Businesses** be classified in 658.851
- .9 It is recommended that **Management of Specific Businesses** be classified in number for the business, e.g. **Management of Bakeries**, 664.75; **Shop Management**, 621.7
- 659.1 **Advertising, Publicity and Public Relations**
Theory Psychology Ethics Research Laws and legislation
For Market research and analysis, see 658.83, Advertising for specific business, the business
- .11 **Organization of Advertising**
Includes advertising agencies, managers, departments, financial management and accounting, preparation of advertising campaigns, marketing and merchandising of advertising
- .111 **Publicity and Public Relations**
Includes news releases, news pictures, charts and drawings, picture stories, feature articles
- .12 **Packaging and Labeling**
Use of means of identification (trade marks and names, letterheads, labels, slogans) and containers and wrappings as a means of advertising
- .13 **Media and Techniques of Advertising**
Includes copy writing, layout, advertising typography, use of color in advertising, copy testing
For Commercial art, see 741.67, Printing techniques, 655.3
- .132 **Newspaper and Magazine Advertising**
Includes rates and circulation, space selection, classified ads
- .133 **Direct Advertising**
Includes circulars, letters, folders, catalogs, broadsides, blotters, calendars, company publications for dealers, customers and prospects, mailing lists

659.134

Outdoor and Transportation Advertising

Includes billboards, signs, car cards and posters

For Design and drawing of posters, see 741 67

.14

Audio-visual Advertising

Includes use of radio, television, motion pictures in advertising

.15

Display Advertising

Includes window and show case display, shows (fashion, motor)

660-670 MANUFACTURES

Originally 660 was intended for processes that were primarily chemical; 670 for those that were mechanical and physical. However, the growing use of chemical processes has so modified the character of 670 as to leave little distinction between 660 and 670. For Manufactures not included in 660 and 670, see 680

660 CHEMICAL TECHNOLOGY INDUSTRIAL CHEMISTRY

Includes materials of chemical technology; raw materials, waste materials, and their utilization

For Salvage of waste materials, see 679; form divisions .1-9, p. lv, exceptions .28 and .29 follow:

660.28

Chemical Engineering

Plant Practices Equipment

Includes industrial stoichiometry; chemical engineering calculations, unit operations, absorption and extraction, adsorption, crushing and grinding, distillation, drying, humidification, dehumidification, evaporation, fluid flow, filtration, heat transfer

Unit chemical reactions alkylation, fermentation, hydrogenation, oxidation, reduction

.29

Industrial Electrochemistry

For Specific application of electrochemistry, see material, e.g. Utilization of electric energy in production of industrial chemicals, 661; Electroplating, 671.73

661

INDUSTRIAL CHEMICALS

Production Properties Tests Utilization

Includes chemicals used as raw materials or as agents in manufacture of chemicals and other types of products; industrial reagents

For Chemicals manufactured for specific use, see specific number, e.g. Detergents, 668.1; Coal and coal tar chemicals, 662.628

1

- 661.2 Acids Alkalies Salts**
 Acids: Sulphuric, hydrochloric, nitric, hydrofluoric, phosphoric
 Alkalies (formerly classified in 661.3): caustic soda (sodium hydroxide), caustic potash (potassium hydroxide) ammonium hydroxide
 Salts (formerly classified in 661.4-.6-.7): chlorides, nitrates, nitrites, fluorides, phosphates, silicates, cyanides, sulfates
- .3 It is recommended that **Alkalies** be classified in **661.2**
- .4 It is recommended that **Salts** be classified in **661.2**
- .6 It is recommended that **Sulfates** and **Nitrates** be classified in **661.2**
- .7 It is recommended that **Cyanides** be classified in **661.2**
- .8 **Organic Compounds**
 Alcohols, aldehydes, esters, ethers, ketones, organic acids
 Includes solvents
For Coal tar solvents, see 662.628
- .9 **Compressed and Liquefied Industrial Gases**
 Manufacture Utilization
 Industrial gases: Acetylene, chlorine, fluorine, hydrogen, hydrogen sulfide, helium, argon, neon, krypton, xenon, nitrogen, oxygen, sulfur dioxide, carbon dioxide, solid carbon dioxide, "dry ice," ammonia, ozone
 Includes chemicals in gaseous form, their compression and liquefaction; gas containers, cylinders
For Technology of natural and manufactured gas, see 665.7; Gaseous fuels, 662.67

662 EXPLOSIVES FUEL TECHNOLOGY
INDUSTRIAL CARBONS

- .1 **Fireworks**
- .2 **Explosives**
 Manufacture Testing Properties Storage Handling Transportation Use
For Applications, see specific subject, e.g. Mining, 622.23; Ammunition, 623.452

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- 662.26 Deflagrating Explosives Burning Explosives Pro-
pellants**
Includes black powder, gunpowder (formerly classified in 662.3), nitro-cellulose, smokeless powder
- .27 High Explosives Detonating Compositions**
Includes ammonium nitrate, ammonium picrate, chlorate, dynamite, lead azide, mercury fulminate, nitroglycerin, nitrostarch explosives, RDX (cyclonite or hexogen), tetryl, TNT (tunitrotoluene)
- .28 Blasting Caps Detonators Primers Fuse**
Fuse was formerly classified in 662.4
- .3 It is recommended that Gunpowder be classified in 662.26**
- .4 It is recommended that Fuse be classified in 662.28**
- .6 Fuel Technology**
Includes solid, liquid, gaseous fuels
- .62 Coal Technology**
- .622 Analysis Properties and Testing**
Includes classification, chemical and physical properties, composition, constitution, structure, hardness; tests and testing methods
- .623 Preparation and Treatment**
Materials, processes, equipment used in cleaning, drying, grinding, sizing
- .624 Storage and Transportation**
- .625 Utilization**
General utilization and development of coal products
Includes coal as fuel; combustion, carbonization, hydro-
genation and liquefaction of coal

For Production of coke from coal, see 662.64; Liquid fuel produced from coal, 662.66; Gas produced from coal, 665.77; Chemicals produced from coal, 662.628

662.627

Coal Tar

Distillation Utilization

Coal tar was formerly classified in 668.7

For Coal tar products, see specific product, e.g. Coal tar dyes, 667.2

.628

Coal and Coal Tar Chemicals

Includes benzene, toluene, wood preserving oils, solvent naphtha, naphthalene

.64

Coke

Production Properties Utilization

Coke was formerly classified in 662.7

For Gashouse coke and petroleum coke see 662.65

.65

Other Solid Fuels

Includes bagasse, briquettes, charcoal, gashouse coke, petroleum coke, lignite, peat, wood sawdust

.66

Liquid FuelsMaterials Processes Equipment Properties
Tests Utilization

Production of liquid fuels from coal, farm produce, gas, waste wood

Includes combustion, rocket fuel

For Petroleum fuels see 662.65

.67

Gaseous Fuels

Includes fuel properties of gases, tests for fuel properties, utilization of gases as fuels, combustion of gases

.7

It is recommended that **Coke** be classified in 662.64 and **Charcoal** in 662.65

.9

Industrial Carbons (Non-Fuels)

Production Properties Application Utilization

.92

Graphite

Includes graphite products, pipe, brushes

For specific products see specific numbers, e.g. Graphite foundry equipment, 671.22

662.93 Adsorbent Carbons

Includes activated carbons, animal black, bone char, carbon black, charcoals, decolorizing carbons, lampblack

For Applications, see specific number, e.g. Application of carbon black in rubber manufactures, 678.23; Industrial diamonds used in machine tools, 621.9

663 BEVERAGES

Materials	Apparatus	Processes	Caging	Testing
Bottling				

663.1 Fermented Beverages

Liquor fermented from grapes, other fruits, grains

.2 Wine and Winemaking

Includes grape and other fruit wines, e.g. cider, perry

For Culinary uses of wine, see 641.6

.4 Beer and Brewing

Includes beer, ale, porter, stout

.5 Distilled Beverages

Includes brandy, whiskey, rum, gin, liqueurs, other spirits

.6 Non-alcoholic Beverages**.62 Carbonated Beverages****.63 Fruit and Vegetable Juices****.8 Cocktails and Other Mixed Drinks**

Bartenders' manuals and recipes

.9 Chocolate and Cocoa Industry Tea and Coffee Manufacture**664 FOOD MANUFACTURE AND PROCESSING**

Materials	Machinery	Processes	Testing
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Commercial manufacture or preparation of foods

For Home preparation of food, see 641; Agricultural production of foods, 630; Economic aspects of food manufacture and processing, 338.47; Chemical analysis of food, 543.1; Food adulteration, 614.3

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- 664.1 Sugar**
Sugars and sirups (cane, beet, maple)
Includes other sugars, e g glucose, dextrose
- .15 Confectionery**
Includes candy, ice cream
For Candy making at home, see 641.85; Ice cream made at home, 641.86
- .2 Starch and Pectin**
Includes cornstarch, tapioca, arrowroot
- .3 Edible Fats and Oils**
Includes margarine, salad oils, lard
For Butter, see 637.2, Other fats and oils, 665.2-3
- .4 Mineral Foods**
Includes salt
- .5 Flavor Aids**
Includes spices, condiments, flavoring extracts, vinegar
- .6 Leavening Agents and Baking Aids**
Includes yeast, baking powder, cream of tartar
- .7 Cereals and Cereal Flour**
- .72 Flour Milling**
Includes processing of breakfast foods
- .75 Flour Products**
Includes bakeries and bakery products, e g bread, crackers, cakes, macaroni, spaghetti, vermicelli
For Baking at home, see 641.6
- .8 Food Preservation**
Processes and apparatus for commercial preservation of fruits, vegetables, meats, seafoods, concentrated foods, other specialties
For Home preservation of foods, see 641.4
- .82 Canning of Foods**
- .83 Jellying and Preserving**
- .84 Drying and Dehydration of Foods**

-
- 664.85 Frozen Foods**
Includes refrigeration, locker storage, cold storage
- .9 Meat Packing Industry**
Includes packing of meat, fish, and poultry; products manufactured from them
- 665 LUBRICANTS, PETROLEUM TECHNOLOGY**
- .2 Animal Oils and Fats**
- .3 Vegetable Oils and Fats**
- .4 Mineral Oils and Fats**
Includes paraffin, ozocerite, asphalt, shale oil
- .5 Petroleum Technology**
Includes petroleum and petroleum products
For Extraction of petroleum, see 622.338
- .52 Properties Analysis and Testing**
Includes chemical and physical properties (composition, structure, viscosity); tests and testing methods
- .53 Refining of Petroleum Manufacture of Petroleum Products**
Materials, processes, equipment used in refining operations (distillation, cracking, chemical treatment, purification, blending)
Includes petroleum refineries
Light distillates include gasoline and other motor fuels, e.g. aviation, motor, tractor, and Diesel fuels; kerosene, naphthas
Heavy distillates and residuums include bunker fuels, gas oil, fuel oil, road oils, waxes
- .54 Storage and Transportation**
Includes distribution, pumping systems, meters
- .55 Utilization**
Includes petroleum as fuel, chemical utilization of petroleum not otherwise classified
For Gas produced from petroleum, see 665.77; Petroleum coke, 662.65

665.7 Natural and Manufactured Gas Technology

Includes methane gas

*For Extraction of natural gas, see 622.338; Industrial gases, 661.9***.72 Properties Analysis and Testing**

Includes chemical and physical properties, tests and testing methods

.73 Treatment

Includes materials, processes, equipment used in bottling, cleaning, compression, conversion, drying, mixing, purification

.74 Storage and Transportation

Includes transmission and distribution (gas gathering lines, pipe lines, pumping systems, compressors, meters, mains); storage of natural or methane gas in liquid form

.75 Utilization*For Gas house coke, see 662.65; Liquid fuels produced from gas, 662.66; Gaseous fuels, 662.67***.77 Production of Manufactured Gas**

Processes Equipment Plants

Includes gas produced from coal (city gas, coal gas, coke oven gas, blast furnace gas, producer gas, water gas, carbureted water gas); gas produced from petroleum (oil gas, refinery gas, reformed refinery gas); liquid gas produced from petroleum (butane, propane, pentane, butene mixtures); gas produced from natural gas (reformed natural gas); liquid gas produced from natural gas (butane, propane, pentane); synthesis gas (gas produced from coal and coke, natural gas, petroleum, alcohol)

666 CERAMIC TECHNOLOGY

Manufacture Properties Tests Utilization

.1 Glass

Constitution Properties Testing Types Application Products

For Optical glass, see applications, e.g. Spectacles, 617.7; Telescopes, 522.2; Engineering properties of glass, 620.14

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- 666.2 Enamels and Enameling**
Vitreous enamels Porcelain enamels Ceramic coatings
Includes enameling of metals and enameled metals
- .3 Ceramic Whiteware**
Includes porcelain (formerly classified in 666.5); stoneware, earthenware and pottery (formerly classified in 666.6); terra cotta
For Collection, identification of fine porcelain, see 738.2; Earthenware, 738.3
- .32 Clay**
Includes preparation, composition, properties
Clay was formerly classified in 666.4
- .4** It is recommended that **Clay** be classified in **666.32**
- .5** It is recommended that **Porcelain** be classified in **666.3**
- .6** It is recommended that **Stoneware** be classified in **666.3**
- .7 Refractories Structural Clay Products**
- .72 Refractories**
Includes fire-clays, alumina, graphite, zirconia, chrome refractories
For Refractories applied to specific use, see specific use, e.g. Refractories used in metallurgical furnaces, 669.82
- .73 Structural Clay Products**
Includes bricks and tiles
For Engineering properties of brick and tile, see 620.14
- .8 Artificial Stone**
- .9 Cements Limes Mortars**
- 667 CLEANING AND BLEACHING DYEING**
Materials Plant Processes Equipment
- .1 Commercial Process Cleaning and Bleaching**

-
- 667.12 Dry Cleaning**
Includes textiles, garments, rugs, furs, hats, leathers, household articles
For Home dry cleaning see 646.6
- .13 Laundering**
For Soaps, detergents, wetting agents, see 668.1, Home laundering, 648.1
- .14 Bleaching Practice**
Includes wool, silk, cotton, linen
- .2 Commercial Process Dyeing**
Manufacture, properties and testing of dyes and their application
Includes dyes, mordants, intermediates, and developers, applications on fibers, e.g. wool, silk, cotton, textiles, rugs, furs, garments
For Coloring of furs as part of fur dressing, see 675.3, Home dyeing processes 646.6
- .3 Printing of Textiles**
- .4 Inks**
Includes writing inks, indelible inks
- 6 Paints and Pigments**
For House painting see 695.1 Fine arts materials and methods of painting 751
- 7 Varnishes Polish Lacquer**
For Varnishing see 695.3
- 8 Japan Blacking**
- 668 OTHER ORGANIC CHEMICAL MATERIALS AND PRODUCTS**
- .1 Surface Active Agents**
Soaps, detergents, wetting agents, emulsifiers, scouring powders
Includes abrasives
For Abrasives used in machine tools see 621.92
- .2 Glycerine**
- .3 Gelatin Glue and other Adhesives**

668.4 Plastics Industries Resins Gums**.41 Techniques**

Includes materials used in manufacture of plastics; apparatus and machinery (presses, molds); processes of manufacture (molding, extrusion, casting, laminating products and applications) properties, testing methods and equipment

For Techniques of specific plastics, see plastics, e.g. Tests of Styron products, 668.423

.42 Plastics Made from Synthetic Resins**.422 Condensation Plastics**

Includes phenolics, alkyds, organic nitrogen resins (urea-formaldehyde and melamine-formaldehyde); organic sulfur resins and silicones

Trade names include Bakelite, Durez, Durite, Resinox, Beetle, Plaskon, Melmac, Catalin, Malamine, Cibanite, Dilectene

.423 Linear Polymer Plastics (Except Fibers)

Includes polyvinyl alcohols and esters; polyethylene, nylon, polyacrylic, polyolefin, polyaromatic plastics

Trade names include Vinylite, Lucite, Butacite, Plexiglas, Loalin and Styron

For Fibers (Nylon, Vinvon, Orlon), see 677.47

.43 Plastics (Except Fibers) Made from Protein

Includes casein, soybean and zein plastics

Trade names include Ameroid and Galorn

For Fibers (Aralac), see 677.47

.44 Plastics (Except Filaments and Fibers) Made from Cellulose

Includes cellulose esters (cellulose nitrate, acetate, propionate, butyrate); cellulose ethers (methyl, ethyl and benzyl cellulose); regenerated cellulose (cellophane)

Trade names include Amerith, Pyralin, Lumarith, Tcnite, Kodapak, Celluloid (formerly classified in 679)

For Fibers (Celanese, Bemberg), see 677.46

-
- 668.45 Plastics Made from Natural Resins**
Includes vegetable resins (lignin, resin), animal and mineral resins, shellac as a plastic
Trade names include Lignolite
For Shellac as varnish, see 667 7
- .47 Resins and Gums Not Used in Plastics**
For Resin used as naval store, see 634 986
- .5 Cosmetics**
Includes essences, perfumery essential oils and ethers
- .6 It is recommended that Fertilizers be classified with Agriculture, 631.8**
- .7 Chemical Utilization of Wood**
Includes wood distillation
It is recommended that Coal tar be classified in 662 627
For Charcoal as fuel, see 662 65 Use in pigments, 667 6
- 669 METALLURGY**
Includes general material on alloys, scrap metal, history of metals
For Collection and classification of scrap metal, see 671 9
- .016 Metallography**
Constitution and structure of metals
Includes analysis and testing, properties
For Engineering properties of metals, see 620 17-18
- .018 Heat Treatment and Hardening of Metals**
For Surface hardening, see 671 7 .

669.1-669.7 METALLURGY OF INDIVIDUAL METALS

May be divided by using the following subdivisions:

4 *Production* *Reduction and refining* 6 *Metallography* *Constitution and structure, analysis and testing, properties* 8 *Heat treatment*
Hardening e.g. Refining of silver, 669.234; Metallography of copper, 669.36; Heat treatment of aluminum alloys, 669.7228

- .1 Iron and Steel Iron Alloys**
- .14 Production of Iron and Steel Reduction and Refining**
- .141 Iron and Iron Alloys**
 - Includes pig iron (blast furnace practice); cast iron (furnace practice); wrought iron (puddling and other practices); other kinds of iron (iron powder, sponge iron) other practices
- .142 Steel and Alloy Steels**
 - Includes Bessemer converter practice; open-hearth furnace practice; electric furnace practice; other practices
- .143 Scrap Iron and Steel**
 - Utilization in production Reduction Refining
 - For Collection of scrap iron and steel, see 672.9*
- .16 Metallography of Iron and Steel**
 - Constitution and structure Analysis and testing
 - Properties
- .18 Heat Treatment and Hardening of Steel**
- .2 Precious and Rare Metals and Their Alloys**
- .22 Gold**
- .23 Silver**
- .24 Platinum Platinum Metals**
- .29 Rare Metals**
- .292 Rare Earths**

-
- 669.293 Thorium, Uranium and Radioactive Elements**
 Includes actinium, neptunium, plutonium, polonium,
 radium
- .3 Copper and Its Alloys**
 Includes brass, bronze
- .4 Lead and Its Alloys**
- .5 Zinc, Cadmium and Their Alloys**
- .6 Tin and Its Alloys**
- .7 Other Metals and Their Alloys**
 Includes mercury, gallium, germanium, arsenic, antimony,
 scandium, tellurium, zirconium, tantalum, niobium (colum-
 bium), bismuth, thallium, indium
- .72 Light Metals and Their Alloys**
- .722 Aluminum**
- .723 Magnesium**
- .724 Beryllium**
- .725 Alkali Metals and Alkaline Earth Metals**
- .73 Heavy (Ferro Alloying) Metals and Their Alloys**
- .732 Titanium, Vanadium, Manganese**
- .733 Cobalt, Nickel**
- .734 Chromium, Molybdenum, Wolfram (Tungsten)**
- .8 Metallurgical Furnaces**
 Construction Practice
 For Application to special metals, see metals, e.g. cast iron,
 669.141
- .82 Refractories**
- .84 Slags**
- .9 Assaying**

670 MANUFACTURES *continued*

For Scope of 670, see note preceding 660, Form divisions 1-9,
p h

671 METAL MANUFACTURES

Includes fabrication of metal, manufacture of metal products

For Maintenance and operation of mill and shop equipment,
see 621 7-621 9

.2 Melting and Casting (Foundry Practice)

.22 Foundry Equipment

.23 Molding and Pattern Making

.24 Melting Practice

.25 Casting

Includes sand die, centrifugal, other methods of casting

.3 Mechanical Working and Forming

.32 Rolling

.33 Forging, Pressing, and Stamping

.34 Extruding and Drawing

.35 Machining and Grinding

.37 Powder Metallurgy

.5 Joining and Cutting

.52 Welding

.521 Electric Welding

Includes arc, resistance welding

.522 Gas Welding

.529 Other Methods of Welding

.53 Flame and Arc Cutting

.56 Soldering and Brazing

.59 Other Methods of Joining

.7 Finishing and Surface Treatment

.72 Buffing and Polishing

- 671.73 Coating**
Includes plating, dipping, spraying
For Enameling of metals, see 666.2
- .74 Cleaning**
- .8 Applications Metal Products**
For Metal arts, see 739; Handcrafts using metal, 745.5
- .82 Sheet Metal Products**
- .821 Pattern Making for Sheet Metal Products**
- .83 Tubes Pipes**
- .84 Wire**
- .9 Scrap Metal**
Collection Classification
For Utilization of scrap metal in production, reduction, refining of metals in general, see 669; Application to specific metals, see metals, c.g. Utilization of scrap iron, 669.143
- 672 IRON AND STEEL IRON ALLOYS**
May be divided like 671, c.g. Rolling of steel, 672.32; Collection of scrap iron and steel, 672.9
- 673 OTHER METALS AND THEIR ALLOYS**
May be divided like 669.2-669.7, c.g. Fabrication of zinc, 673.5; Fabrication of aluminum, 673.722; and further subdivided like 671 for specific processes if necessary, c.g. Welding of aluminum, 673.72252
For Work in precious metals, see 739.2
- 674 LUMBER MANUFACTURES**
Includes wood products, cork
For Logging, rough wood products and specialty wood products, see 634.98; Wood identification, 634.98
- .2 Lumber Production Sawmill Operations**
Includes sawmill, sawmill equipment, sawing of logs into lumber, sawmill products, rough sawed products; rough lumber (dimension stock or cut stock, lumber for wood products); shingles and shakes, box shooks, fuel wood
For Wood used as fuel, see 662.65

-
- 674.3 Storage of Lumber**
Includes seasoning of lumber, e.g. air seasoning, kiln drying
For Preservation of wood, see 691.1
- .4 Working of Lumber**
Surfacing Shaping
Includes woodworking operations and equipment
For Organization of woodworking shops, see 621.7;
Woodworking, 684; Wood products, 674.8
- .42 Planing Mill Operations**
Includes planing mill, resawing and surfacing of lumber;
planing mill equipment (saws, planers, molding machines)
- .43 Woodworking Plants**
Secondary woodwork operations: wood turning, shaping,
finishing
Includes woodworking equipment (shapers, lathes, sanders,
grinders)
For Painting of wood, see 698
- .5 Lumber Grading**
Includes inspection, specifications
- .8 Wood Products**
Manufacture Uses
For Specific use of products, see use, e.g. Sawdust as fuel,
662.65; Cabinet making, 684.2; Operations and equip-
ment, 674.4
- .82 Wooden Cooperage and Containers**
Includes crates, barrels, boxes
- .83 Veneer Plywood Laminated Wood**
Manufacture and general use
- .84 Excelsior, Wood Flour, Wood Shavings, Sawdust**
- .9 Cork and Cork Products**

675 LEATHER AND FUR INDUSTRIES

For Manufacture of articles made of leather, see 685; Leather craft, 745.53; Fur craftsmanship, 687.1

.2 Leather Processing

Materials, apparatus, processes used in tanning, dressing, finishing, testing of hides and skins

.3 Fur Dressing

Treatment of raw pelts: tanning, coloring, glazing

For Fur Farming, see 636.9; Fur fiber textiles, 677.3

676 PULP, PAPER AND CELLULOSE**MANUFACTURE**

Materials Machinery Processes Properties Tests
Wastes

For Architecture of pulp and paper mills, see 725.4

.1 Pulp Manufacture

Materials: raw and added Machinery: Jordan, Hollander
Processes: Mechanical and chemical Properties and testing
Wastes

.12 Wood Pulp

Includes mechanical, sulfite, sulfate, soda, semichemical processes

.13 Rag Pulp**.14 Other Pulps**

Includes straw, jute, hemp, cornstalk, waste paper, reclaimed paper pulps

.2 Paper Manufacture

Machinery and apparatus Machine manufacture Hand
manufacture Properties and testing

Includes grades of paper: tissue, wrapping, writing, printing, book, building, boards

.3 Paper Products

Manufacture of bags, cartons, containers

* *For Handcrafts using paper, see 745.5; Bookbinding, 655.45*

676.4 Cellulose Manufacture

For Cellulose used in textile manufacture, see 677.46; Cellulose plastics, 668.44

**677 TEXTILE AND OTHER FIBER
MANUFACTURES**

Fiber content, construction, finish, properties, and manufacturing processes of textile fabrics and other fiber products

For Fiber crops, see 633.5; Textile dyeing, 667.2; Textile printing, 667.3; Textile handicrafts, 745.52; Apparel manufacturing, 687

.1 Linen and Other Bast, Leaf, Wood Fiber Textiles

Manufacture of linen, burlap, from flax, hemp, jute, ramie, pina, similar fibers

.2 Cotton and Other Seed Hair Fiber Textiles

Textile manufacture from cotton, kapok, milkweed fibers

.3 Wool and Other Hair Fiber Textiles

Manufacture of textiles from mohair, cashmere, camel's hair, llama, alpaca, vicuña, rabbit's hair

.4 Silk, Rayon, Man-made Protein Fiber, Resin Fiber Textiles**.41 Silk Textiles**

Manufacture of cultivated, wild or Tussah, silks

.46 Rayon Textiles

Rayon manufacture by nitrocellulose, cuprammonium, viscose, acetate, ethyl processes

Trade names include Bemberg, Chardonize, Cordura, Spun-lo, Tenasco, Bubblefil, Accle, Celanese, Scracta, Fortisan, Ethofil

.47 Man-Made Protein Fiber and Resin Fiber Textiles

Textile manufacture from man-made protein fibers, e.g. casein, soybean, peanut, zein

Trade names include Lanital, Tiolan, Polan, Cargan, Casolana, Lactofil, Aralac, Silkool, Ardil, Mazcin

Textile manufacture from resin fibers, e.g. polyamide, vinyl, vinylchloride

Trade names include Nylon, Velon, Saran, Vinyon, Orlon

- 677.5 Mineral and Miscellaneous Fiber Textiles**
Manufacture of textiles from asbestos, glass, metal, elastic, paper fibers
Trade names include Asbeston, Fiberglas, Reymet, Lastex
- .6 Special Textiles**
Fabrics made by special processes: brocade, velvet, flannel, felt, tapestry, carpeting, lace, knit fabrics, coated or impregnated fabrics, e.g. crease resistant, noninflammable, shrink resistant, waterproof
- .7 Other Industrial Uses of Fibers**
Manufacture of cordage and cables
For Knotting, splicing and use of rope, see 623.88
- 678 RUBBER MANUFACTURES AND RUBBER**
- .2 Manufacturing Processes Using Rubber**
Includes use of natural and synthetic rubber
For Preliminary treatment of natural rubber, see 678.62; Production of synthetic rubber, 678.722
- .22 Masticating, Mixing, Milling, Plasticizing**
- .23 Compounding and Compounding Ingredients**
Includes use of solvents, antioxidants, accelerators of vulcanization
- .24 Vulcanizing**
- .27 Other Processes Using Rubber**
Includes molding, coating, extruding, calendering, casting, dipping, spreading, electro-depositing
- .29 Reclaiming**
Utilization of scrap rubber
For Collection of scrap rubber, see 678.8
- 3 Natural and Synthetic Rubber Products**
Includes tires, tubes, belting, rubber adhesives
For Application, see manufacture to which applied, e.g. Application of rubber in manufacture of coated and impregnated fabrics, 677.6

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- 678.5 Latex**
Natural and synthetic
For Preparation of latex from plants, see 634.986, Production of synthetic latex 678.722
- .52 Manufacturing Processes**
Includes preliminary treatment of latex, preservation, concentration
May be divided like 678.2
For Coagulation of latex and preparation of crude rubber, see 678.62
- .53 Products**
Products made directly from latex
- .54 Properties Analysis and Testing**
Chemical and physical properties of latex and tests for determining such properties
- .6 Natural Rubber and Its Isomers**
Hevea brasiliensis, ficus elastica, guivule, kok saghyz, castilloa, mangabeira, balata, gutta percha
- .62 Preliminary Treatment of Natural Rubber**
Includes preparation of crude rubber from latex, coagulation, smoking, drying, grading, washing, grinding, packing, storing
For Manufacturing processes using natural rubber, see 678.2, Natural rubber products, 678.3
- .64 Properties of Natural Rubber Analysis and Testing**
Chemical and physical properties of natural rubber and tests for determining such properties
For Engineering properties of natural rubber, see 620.19
- .7 Elastomers**
Synthetic rubber and rubber-like plastics (elastoplastics)
- .72 Synthetic Rubber**
Trade names include Ameripol, Butaprene, Butyl rubber, Chemigum, GR I, GR M, GR-S, Hycar, Neoprene, Perbunan, Silastic, Thiokol

- 678.722 Production of Synthetic Rubber**
Raw materials Intermediates: Monomers, catalysts, modifiers
Polymerization, coagulation of latex, drying
For Manufacturing processes using synthetic rubber, see 678.2; Synthetic rubber products, 678.3
- .724 Properties of Synthetic Rubber Analysis and Testing**
Chemical and physical properties of synthetic rubber and tests for determining such properties
For Engineering properties of synthetic rubber, see 620.19
- .73 Rubber-like Plastics (Elasto-Plastics)**
Production Properties
Trade names include Butform, Butvar, Geon, Koroscal, Polyisobutylene
Where interest in rubber-like plastics lies chiefly in its relation to plastics, class in Linear polymer plastics, 668.423
- .8 Scrap Rubber**
Collection Classification
Includes natural and synthetic rubber
For Utilization of scrap rubber, see Reclaiming, 678.29
- 679 OTHER MANUFACTURES**
It is recommended that **Celluloid** be classified in 668.44
- .2 Tobacco Products**
Includes cigars, cigarettes
- .9 Waste Materials**
Includes salvage of wastes not covered elsewhere
For Salvage of specific material, see material, e.g. Collection of scrap rubber, 678.8

680 MANUFACTURES *continued*

Includes comprehensive instruction handbooks for home workshops

For Handcrafts, see 745.5; Hobbies, 790; Instruction handbooks for specific operation, the subject, e.g. how to make toys, 688.7; Model making, the subject, e.g. Ship models, 623.82; Model railroads, 625.19

681.1 **Horology**

Construction and repair of time measuring instruments, e.g. clocks, watches, chronometers

Includes makers, history, care, adjustment, cleaning

For Clocks as decorative furniture and collectors' items, see 749

681.12–681.8 MANUFACTURE OF SPECIAL INSTRUMENTS

It is recommended that these be classified with their specific subjects, e.g. Electric meters, 621.37; Moving picture apparatus, 771.3; Sound motion picture apparatus, 621.345; Record players, 789.91; Calculating machines, 510.81 or 651.26; Mechanical toys, 688.7; Scientific instruments with use, e.g. Manufacture of surgical instruments, 617.9; Optical instruments with use, e.g. Spectacles, 617.7; Telescopes, 522.2; Business machines, 652–653; Musical instruments, 780, e.g. Piano, 786.2

682 **SMALL FORGE WORK**

Includes hand forging of tools; iron work, horseshoeing

683 **GUNSMITHING**

Manufacture, repair, makers and history of gun making

Includes catalogs

For Ordnance, see 623.4; Gunnery, 623.5

.3 **Locksmithing**

Includes locks and keys; catalogs

684 WOODWORKING

Construction of articles from wood

Includes woodworking manuals, tools and machinery

For Wood handicrafts, e.g. Whittling, see 745.5, Wood carving, 736.4, Carpentry and joinery in construction of buildings, 694, Wood turning, 674.43, Manufacture of veneers and plywood, 674.83

.1 Furniture Making

Includes soft furnishing or upholstered furniture, restoration or refinishing of antiques

For Period furniture, see 749.2, History, design, collection of furniture, 749

.2 Cabinet Making

Construction of fine woodwork

Includes work with veneers, inlaying

For Manufacture of veneers see 674.83

685 LEATHER GOODS MANUFACTURE

Includes saddlery, glove making, manufacture of luggage, hand bags

For Leather processing (tanning, dressing, finishing), see 675

.3 Footwear

Specifications Manufacture Repair

686 It is recommended that **BINDING** be classified in 655.45

687 APPAREL MANUFACTURING

Includes fashion modeling accessories, e.g. hosiery underwear millinery

For Home sewing and tailoring, see 646.4, Home millinery, 646.5

.1 Commercial Garment Making

Design Pattern making and grading Cutting Tailoring Dressmaking

Includes fur craftsmanship

.11 Men's Apparel

687.12 **Women's Apparel**

688 **SMALL ARTICLE MANUFACTURE**

Includes smoking accessories

.7 **Toy Making**

Includes mechanical toys (formerly classified in 681.15)

690 BUILDING CONSTRUCTION

Erection of buildings

For Architecture or artistic design of structures see 720 Structural engineering or analysis and design of structures stressing safety and efficiency 674 Form divisions 1-9 p. lv

691 BUILDING CONSTRUCTION MATERIALS

Selection Detention Preservation

For Engineering properties and testing of building materials see 620.11 Types of building construction the type e.g. Modern timber construction 694 Structural engineering use of materials, 624 e.g. Reinforced concrete design, 624.18 Resistant construction 693.8

1 **Timber**

2 **Stone**

3 **Concrete and Reinforced Concrete**

4 **Ceramic or Clay Materials**

Includes brick tile adobe

5 **Cement**

6 **Glass**

For decorative or architectural use of glass see 729

.7 **Iron and Steel**

For Structural design of steel construction see 674.17

8 **Other Metals**

Includes aluminum

9 **Other Materials**

Includes plastics composition shingles insulating material (fibreglass wall board)

692 CONSTRUCTION PRACTICES

Includes comprehensive material on contracts and specifications

-
- 692.2 Building Detail Drawing**
Includes "How to read plans"
- .3 Specifications**
Includes building standards
For Material including both specifications and contracts, see 692; Specifications for particular type of construction, type of construction, e.g. Specifications for reinforced concrete construction, 693.5
- .4 Contracts**
For Material including both specifications and contracts, see 692
- .5 Estimates**
Includes costs
- .6 Supervision**
Includes building inspection, prevention of accidents during construction
- .9 Building Laws**
Regulation of construction, alteration, repair, remodeling, moving, use, maintenance, occupancy
For Electrical codes, see 621.328; Plumbing codes, 696.9
- 693 SYSTEMS OF BUILDING CONSTRUCTION**
Systems Method or trade Tools
Includes comprehensive works which include materials
For Materials of building construction, see 691; Structural engineering systems, 624.18; Architectural design, 720
- .1 Masonry Construction**
Includes stone masonry, stonecutting, mason's trade
- .2 Brick Masonry**
Includes bricklaying, adobe construction
- .4 Hollow Tile and Concrete Block Masonry**

-
- 693.5 Concrete and Reinforced Concrete Masonry**
Includes framing
For Structural engineering elements of reinforced concrete, see 624.177
- .6 Plaster and Lathe Work**
Includes stucco
- .7 Steel Construction**
Methods of erection of structural steel parts and supports for buildings (riveted, bolted and arc welded construction)
Includes structural steel framing
For Elements of design of structural steel construction (the major portion of material on steel construction), see 624.177; Welding, 671.52
- .8 Resistant Construction**
- .82 Fireproof Construction**
- .83 Insulation**
Includes thermal (heat) and acoustical (sound) insulation
- .84 Pest Resistant Construction**
Includes termite and rodent resistance
- .85 Shock Resistant Construction**
Includes earthquake, bomb resistance
- 694 WOOD CONSTRUCTION**
Includes carpentry and joinery, beginners' manuals, home carpentry
- .2 Framing**
Walls Floors Partitions Roofs
Includes use of steel square
- .8 Stairbuilding**
For Other details of construction, see 695

695 DETAILS OF BUILDING CONSTRUCTION

Construction Repair Trade

Includes wood, slate, tile, asbestos, metal, asphalt shingles and roll roofing; floors and floor coverings, doors and door frames, windows and window frames

For Stair construction, see 694.8

696 FITTINGS FOR BUILDING CONSTRUCTION

Estimates Supplies Installation Inspection Regulation

Includes comprehensive works on plumbing, heating and ventilation installation

.1 Plumbing

.2 Pipe Fitting

.9 Plumbing Legislation

**697 HEATING, VENTILATING AND AIR
CONDITIONING ENGINEERING**

Principles Systems Installation Equipment
Maintenance and repair

Includes domestic heating and ventilation (formerly classified in 644)

Heating and ventilating engineering was formerly classified in 628.8

.1 Heating Systems and Equipment

Includes fireplaces, radiators, convectors, district heating

.2 Radiant and Panel Heating

Includes stoves, solar heating

.3 Warm Air Heating

Gravity systems Mechanical systems

Includes furnaces and equipment

.4 Hot Water Heating and Piping

Includes boilers and accessories

- 697.5 Steam Heating**
Includes piping
- .6 Use of Fuels for Heating**
Includes gas, oil, coal
- .7 Use of Electricity for Heating**
Includes induction heating (radio frequency), conduction heating (by actual contact)
- .8 Chimneys and Flues**
- .9 Ventilating and Air Conditioning**
For Refrigeration, see 621.56
- .92 Ventilating**
Includes fans
- .93 Air Conditioning**
Includes air distribution, air cleaning, heat transfer, control means for maintaining temperature and humidity
For specific application, see subject, e.g. air conditioning of mines, 622.4

698 DECORATION IN BUILDING CONSTRUCTION

Tools Materials Methods

Includes house painting and decorating, paper hanging

For Styles of interior decoration, see 747, Painting, 750

- .1 House Painting**
Exterior and interior
Includes mixing and application methods
- .3 Wood Finishing**
Includes staining, polishing, varnishing, waxing, enameling and painting
- .6 Paper Hanging**

699 It is recommended that **CARBUILDING** be classified in
625.22

700 Arts and Recreation

Fine arts Decorative arts Sportive arts

For Form divisions 2-7, see p lv, adaptations in 1, 4, 8 follow

701 PHILOSOPHY AND THEORY

Includes psychology, esthetics (generic characteristics of fine arts), appreciation and criticism of the arts

For Specific field of art, see subject, e.g. Criticism of Renaissance painting, 759.03, Esthetics in general, 101

704 ART ESSAYS, LECTURES, ADDRESSES

For Literature concerning specific field of art, see subject, e.g. Essays on painting, 750.4, Design in modern life, 745

.9 Collected writings on two or more fine arts

For Collected writings on paintings, see 750, Design, 745, Architecture, 720

.94 Representation in art

Albums Portfolios

Description and study of way in which various subjects are represented in the arts

Includes human figure in art, nature in art, symbolism and other subjects

For Symbolism in painting, see 750, in sculpture, 730

.948 Religious Art

Includes Christian and Non Christian art

For Religious painting, see 755

708 GALLERIES, MUSEUMS AND PRIVATE COLLECTIONS

Function Collection and preparation of exhibition materials
Exhibitions (Catalogs) Administration

Specific art galleries, museums and private collections may be arranged alphabetically by city, then by name of gallery

709

ART HISTORY

For History of specific field of art, see subject, e.g. History of painting, 759; Sculpture, 730.9

709.01-709.03 HISTORIC PERIOD OF ART

For History of a national art, see 709.1-.9; History of specific class of art, the subject, e.g. History of design, 745.09

.01**Primitive and Ancient Art**

Primitive art is artistic expression of primitive peoples and of those who, regardless of chronological period in which they live, are in the same childlike stage of development
Ancient art includes artistic expression of ancient and classical worlds

For Prehistoric art, see 571.7

.02**Christian Art**

Includes Early Christian art (1-700 A.D.), Byzantine art (527-1200 A.D.), Medieval art (1150-1500)

.03**Modern Art**

Includes Renaissance art (1420-1600), Baroque art (1600-1720), Rococo (last phase of Baroque), Neo-Classicism (late 18th-early 19th century), 20th century art

709.1-709.9 NATIONAL ART

May be divided like 930-999, e.g. History of French art, 709.44; or 709.1 may be arranged alphabetically by country

710 LANDSCAPE ARCHITECTURE

Control and design of out-of-door surroundings to insure their proper and esthetic adaptation to use

For Form divisions .1-9, see p. lv

711 CITY PLANNING

Control and guidance of physical growth and arrangement of communities to insure their greater efficiency and attractiveness
Includes development and redevelopment

For Comprehensive treatment of economic and social planning, see 309.2

.01 Theory

Includes centralization vs. decentralization (formerly classified in 711.13)

.09 History and Development

Includes planning and plans of specific cities

For Description of cities, see 913-919

.1 Technical Procedure

Includes professional practice (collection and presentation of data, making and presentation of plans, estimation of cost, supervision)

.13 It is recommended that **Centralization vs. Decentralization** be classified in 711.01

.17 Administration

It is recommended that Legislation creating and empowering agencies, public land, right of way, be classified in 333.1

.2 It is recommended that **National Planning** be classified in 309.23

.3 It is recommended that **Regional Planning** be classified in 309.24

.4 Design in City Planning

.41 Plans Based upon Street Patterns

Gridiron system Radial type Organic or studied irregularity plan

-
- 711.45 Plans Based upon Function**
 Capital cities Port cities Industrial cities Residen-
 tial cities
- .5 Patterns of Land Use in City Planning**
 For Zoning laws, restrictions as methods of control, see 333.77
- .52 Recreational Facilities**
 Includes planning of parks, playgrounds and lots, squares
 and plazas, bathing beaches, athletic fields
- .55 Functional Centers**
 Includes planning of civic centers, cultural and intellectual
 centers (formerly classified in .57), commercial and indus-
 trial centers
- .57 It is recommended that Cultural and Intellectual Cen-
 ters be classified in 711.55**
- .58 Residential Use**
 Neighborhood and community planning
 Includes suburban and rural residential areas, garden cities
- .59 Urban Redevelopment**
 Includes slums and slum clearance, redevelopment of
 blighted areas, low cost, low rental housing
- .6 Structural Elements in City Planning**
 Relation of structures to surroundings Regulation of
 height, materials, spacing
 Includes buildings, bridges, architectural and sculptural ac-
 cessories (lighting fixtures, advertising and display structures,
 waste cans, mail boxes)
 For Design of structures, see 729, Engineering, 620
- .7 Channels of Communication in City Planning**
 Planning for streets, roads, railways, waterways and waterfronts
 air transport terminal facilities, parking and underground park-
 ing facilities, and accessories such as signs
 Where interest in air transport lies chiefly in aeronautics
 class in 629.16
 For Transportation engineering, see 625, Architecture, 720,
 Construction, 690

711.8 Underground Utilities in City Planning

Includes planning for water supply, sewage, power transmission

For Sanitary engineering, see 628; Electric power engineering, 621

712 TYPES OF LANDSCAPE DESIGN

For Design of community, see 711, Cemeteries, 718; State and national parks, 719

.3 Technical Procedure

Office practice Collection of data Presentation of plans
Supervision Costs

.5 Public Parks

Includes squares, commons, exposition and fair grounds, grounds of public buildings

For Parks and recreational facilities in city planning, see 711.52; State and national parks or reservations, 719; Planting and culture, 630

.53 It is recommended that Water Features in Public Parks be classified in 714

.54 Recreational Facilities in Public Parks

Provision and planning of playgrounds, athletic fields, amphitheatres

For Recreational facilities in city planning, see 711.52

.6 Estates

Property consisting of at least a house and its site, regardless of size

Includes landscape design of home grounds, apartment grounds, suburban and country estates

For Planting and culture, see 630

.62 Gardens

Includes design of back yards, penthouse gardens and gardens devoted to special plants, e.g. Shakespearean, old fashioned, rose garden, rock garden

For Planting and culture, see 635.9; Use of specific trees, shrubs and plants in landscape design, 715-716; Gardens as part of landscaping of whole estate, 712.6

712.7 Semiprivate and Institutional Grounds

Includes grounds of country clubs, hotels, institutions (hospitals, universities, churches, industrial plants, railroads, airports)

For Planting and culture, see 630

**713 LANDSCAPE CONSTRUCTION AND
MAINTENANCE**

It is recommended that Construction of roads and pavements be classified in 625.7; Bridges, 624.2-.8, Tunnels, 624.152; Cost, in 712.3

714-717 ELEMENTS AND MATERIALS

of landscape architecture

**714 WATER FEATURES IN LANDSCAPE
ARCHITECTURE**

Practical and esthetic treatment of bodies of water and their shore lines, use of fountains, pools, cascades

Includes development and utilization of shore lines as public parks or part of parks (formerly classified in 712.53)

For Water features in city planning, see specific use, e.g., Recreational use, 711.52, Transportation, 711.7, Sculptural details of fountains, 736.5

**715 TREES, SHRUBS AND HEDGES IN
LANDSCAPE ARCHITECTURE**

Practical and esthetic use of trees, shrubs, and hedges as integral part of landscape design

Includes flowering trees, shrubs and vines, e.g., magnolia trees, rose bushes and wisteria vines

For Planting and culture of trees in forests, see 634.95, of shrubs and hedges, 635.97, Diseases of trees, 634.96, of shrubs, 632; botany, 580

**716 HERBACEOUS PLANTS OR ANNUALS IN
 LANDSCAPE ARCHITECTURE**

Practical and esthetic use of flowering plants, mosses, and ferns as integral part of landscape design

For Planning of gardens, flower and otherwise, see 712.62; Growing of flowers, in gardens, window boxes, penthouses, dishes, 635.96; Botany, 580

**717 STRUCTURES IN LANDSCAPE
 ARCHITECTURE**

Relationship of buildings, terraces, walls, fences, gates, steps and ornamental accessories (monuments, sundials, seats, fireplaces and garden furniture) to other elements of landscape design

For Architectural design, see 729; Construction, 690; Grouping of buildings in city planning, 711.5; Structural elements in city planning, 711.6

718 PLANNING OF CEMETERIES

Legislation Administration Design

Consideration of roads, paths, bridges, planting, buildings, monuments and accessories in planning cemeteries

For Mortuary architecture, see 726.8; Monumental sculpture, 736.5; Engineering, 625; Disposal of dead (Public health, 614.6; Customs, 392)

**719 PLANNING OF NATURAL LANDSCAPE
 RESERVATIONS**

Planning for preservation of natural scenery, forests and historical features; for water supply safety, and incidentally for recreation of public land

Includes national, state reservations

For Game preserves, see 333.78, Provision of parks in cities. 711.52; Design of public parks, 712.5; Wild life conservation, 333.78

720 ARCHITECTURE

Art of designing buildings of beauty and utility of form and arrangement and selection of material to meet requirements

For Structures in city planning see 711.6 in landscape architecture 717 Form divisions 1-3-8 p h exceptions 2, 9 follow

720.2

Outlines, Manuals

Includes technical procedure (professional practice relations architectural presentation)

For Architectural drawing see 744.4

.9

History of Architecture

Development Critical appraisal

Includes works of individual architects

May be divided like 900-999 arranged alphabetically by country

For Periods of architecture extending over more than one country see 722-724 e.g. Renaissance architecture in Italy and France 724.1

721

It is recommended that ARCHITECTURAL CONSTRUCTION REQUIRING EMPLOYMENT OF ENGINEERING PRINCIPLES be classified in 624, e.g. Foundations, 624.15 Arches, 624.177, BUILDING MATERIALS AND CONSTRUCTION 690-698, e.g. Roof Construction 694.2 Brick Construction 693.2 DESIGN OF STRUCTURAL MEMBERS where most of architectural construction material should fall 729

722-724 PERIODS OF ARCHITECTURE

Chronological development of architectural styles

Unless period extends over more than one country, this scheme should be used only by libraries not using 720.9

**722 ANCIENT ARCHITECTURE (4000 B.C.-
300 A.D.)**

Ancient architecture includes structures of ancient Babylonia, Assyria, Egypt, Persia, China, Japan, India

.6 Classical Architecture

Includes Greek and Roman structures

.91 Pre-Columbian American Architecture

Includes Aztec, Mayan, Incan structures

723 MEDIEVAL ARCHITECTURE (300 A.D.-1400)

.1 Early Christian Architecture

Inclúdes catacombs, basilicas

.2 Byzantine Architecture (500–1200)

3 Eastern Architecture (200–1500)

Includes Mohammedan, Buddhistic, Hindu architecture of Near East, China, India and Japan

.4 Romanesque Architecture (1000–1100)

.5 Gothic Architecture (1150–1400)

724 MODERN ARCHITECTURE (1400-)

.1 Renaissance Architecture

Includes Baroque (1500–1700), Rococo (1720–1800)

.9 Twentieth Century Architecture

Includes functional

725-728 TYPES OF ARCHITECTURE

Design of new buildings

For Description and critical appraisal of historic buildings, see 720.9 or 722-724, Construction, 690, Design of details, 729, Materials, 691

725 PUBLIC BUILDINGS

1. Government Buildings

International National State County Municipal

Includes capitols, legislative and judicial buildings, government agencies and offices, post offices, official residences (executive mansions, rulers' palaces, embassies, legations, consulates), customs, military buildings (barracks, forts, armories, arsenals), police and fire stations, refuse plants, incinerators, comfort stations

For Aqueducts, reservoirs, see 628.1

.2 Commercial Buildings

Includes stores, office buildings, financial buildings, exchanges, markets, skyscrapers

.3 Transportation and Storage Buildings

Includes railway, bus, marine and air terminals, service facilities, e.g. garages, filling stations

Where interest in air terminals lies chiefly in aeronautics, class in 629.16

For Planning for transportation facilities, see 711.7

.35 Warehouse and Storage Buildings

.36 Elevators for Storage of Grain, Ore

.4 Industrial Architecture

Includes factories, mills, shipyards

.5 Hospital Architecture

Includes institutions for handicapped

6 Prison Architecture

Includes reformatories

-
- 725.7 Refreshment and Park Buildings**
Includes restaurants, taverns, baths, swimming pools
- .8 Recreation Buildings**
Includes theaters, auditoriums, stadiums, gymnasiums, rinks, race tracks
- .9 Other Public Buildings**
Includes exhibition and fair buildings, memorials
- 726 ECCLESIASTICAL ARCHITECTURE**
Includes non-Christian temples; mosques, minarets, synagogues
For Description of specific styles, see 720.9 or 722-724, e.g. Parthenon, 720.938 or 722.6; Details, e.g. furniture, 749
- .4 Parish Halls**
- .5 Churches**
Includes Cathedrals (formerly classified in 726.6)
For Description of specific churches, see 720.9 or 722-724
- .6 It is recommended that Cathedrals be classified in 726.5**
- .7 Monastic Architecture**
Includes abbeyes, priories, nunneries, and accessory structures
- .8 Mortuary Architecture**
Includes mortuary chapel, tombs, crematories, morgues
- .9 Other Religious Buildings**
Includes dwellings and religious association buildings
- 727 EDUCATIONAL ARCHITECTURE**
Includes details of special rooms for both private and public schools
For Gymnasiums, see 725.8; Laboratories, 727.5
- .1 School Architecture**
- .3 College and University Architecture**
Includes dormitories, commons, unions
For Chapter houses, see 728.4; Gymnasiums, 725.8; Libraries, 727.8; Laboratories, 727.5

- 727.5 **Research Facilities**
 Includes laboratories botanical and zoological gardens and
 houses, observatories
- .6 **Museum Architecture**
 For Art galleries, see 727.7
- .7 **Art Gallery Architecture**
- 8 **Libraries**
 Includes public and private libraries and details of special

728 DOMESTIC ARCHITECTURE

- .1 **Multiple Dwelling Architecture**
 Includes low rental housing and apartments (formerly class-
 fied in 728.2)
 For Housing in city planning see 711.59
- .2 It is recommended that **Apartment Architecture** be classi-
 fied in 728.1
- .3 **Urban Residence Architecture**
 Includes detached semidetached prefabricated urban houses
- 4 **Club Architecture**
 Includes country clubs political clubs, fraternity houses
- .5 **Hotel Architecture**
 Includes inns hostels motels
- .6 **Rural Architecture**
 Small dwellings
 Includes farmhouse ranch houses bungalows cottages
 For Country seats see 728.8
- .7 **Resort Architecture**
 Includes seaside, mountain summer and winter houses, house-
 boats hunting lodges
 For Resort hotels see 725.5

728.8 Country Seat Architecture

For Small rural residences see 728.6, Historic castles, chateaux, minor houses, 720.9 or 722-724

.9 Accessory Domestic Buildings

Includes gatehouses, stables, kennels, poultry houses, garages, barns, silos, dairies, conservatories and other outbuildings

For Commercial garages, see 725.3

**729 ARCHITECTURAL DESIGN AND
DECORATION**

Disposition of the elements of a building

For Theory of design, see 745, Architectural drawing, 744.4, Interior decoration, 747, Design of types of building, the type, e.g. Small house design, 728.6

.1 Elevation

Includes design of light and shade, proportion

.2 Planning

Includes consideration of function, size, arrangement of interior communication, lighting, acoustics

.3 Design of Details

Includes walls, orders of columns, arches vaults and domes, roofs, towers, gables and pediments, doors and windows, stairs and ramps

For Construction, see 624 and 690

.4 Painted Decoration

Includes painted ceilings, walls moldings panels

For Painted decoration which stresses fine art, e.g. Murals ceilings painted by masters, such as Sistine chapel, see 750, Design, 745

.5 Decoration in Relief

Carved decoration and ornament architectural sculpture

Where interest in Carving lies chiefly in its relation to Sculpture, class in 736.5

-
- 729 6 It is recommended that **Incrustation of Exteriors and Interiors in Brick, Stone, Marble, Tile** be classified in 690, **Inlay, 684 2, Enamel, 738 4, Veneering, 684 2**
- 7 It is recommended that **Mosaics** be classified in 738 5
- 8 It is recommended that **Stained Glass Windows** be classified in 748 5
- 9 It is recommended that **Furniture** be classified in 749, **Lighting Fixtures** in 749

730 SCULPTURE

Three dimensional art of organizing masses by carving or modeling

For Form divisions, except .9, see p. lv

730.9 History of Sculpture

Development Critical appraisal of the great schools of sculpture

Includes works of individual sculptors

May be divided like 930-999, or arranged alphabetically by country

For Periods of sculpture extending over more than one country, see 732-735, e.g. Renaissance sculpture in France and Italy, 735.21

731 MATERIALS AND METHODS OF SCULPTURE

Composition Form Subject Preservation and care
Methods of restoration

Manner or method of execution in all materials used in sculpture except ceramic materials and metals

Includes masks

For Technique in ceramic sculpture, see 738; in metal sculpture, 739

732-735 PERIODS OF SCULPTURE

Chronological development of sculpture

Unless period extends over more than one country, this scheme should be used only by libraries not using 730.9

732 ANCIENT SCULPTURE (3000 B.C.-) PRIMITIVE SCULPTURE

Ancient sculpture represented chiefly by remains found in Babylon, Assyria, Egypt, Persia, China, Japan, India

732.2 Primitive Sculpture

Includes not only work of primitive races but also of people whose artistic expression is in the same childlike stage of development regardless of the chronological period in which they live

Where interest in primitive sculpture lies chiefly in its relation to cultural anthropology, class in 572.7

733 CLASSICAL SCULPTURE (1500 B.C.-476 A.D.)
Greek, Roman and Etruscan sculpture

734 CHRISTIAN SCULPTURE EASTERN SCULPTURE

Includes Early Christian and Byzantine sculpture

.2 Medieval or Gothic Sculpture (1000-1399)

Includes Romanesque sculpture

.5 Eastern Sculpture

Mohammedan and Buddhist sculpture at its height in China, Japan, India and Near East

735 MODERN SCULPTURE

Includes sculpture of Latin America

.21 Renaissance Sculpture (1400-1799)

Includes Baroque (1600) and Rococo (1700)

.22 Classic Period of 19th Century

Includes Neoclassicism, Romanticism, Realism

.29 20th Century Sculpture

736-739 DEVELOPMENT
critical appraisal and collection of sculpture in different media

736 CARVING OF SPECIAL MATERIALS

.2 Carved or Engraved Gems and Precious Stones

Includes intaglios, cameos, scarabs, jade cutting

For Properties, description, history of gems, see 553.8; Cutting, setting, designing of gems as jewelry, 739.27; Industrial uses of gems, 621.9

.3 Engraved Seals, Stamps, Signets

Includes personal and official seals, seals for special occasions and organizations

.4 Sculpture in Wood

Development Critical appraisal

Includes work in the round and in relief; statues, busts, scrollwork

For Technique of carving in wood, see 731

.5 Sculpture in Stone

Development Critical appraisal

Includes statues, busts, monuments, garden sculpture, architectural sculpture

Where interest in architectural sculpture lies chiefly in its relation to architecture, class in 729.5

For Technique of stone sculpture, see 731

.6 Carved Ivory, Bone, Horn

Includes netsukes

.8 It is recommended that Hallmarks be classified with the material marked, e.g. British Silver Marks, 739.2

737 NUMISMATICS

Includes medals, tokens, counters

.4 Coins

738 CERAMIC SCULPTURE

Historic development Description Collection

Includes potters' art and marks

For Technology of ceramics see 666

- 738 2 Porcelain China**
Includes figurines vases tablewares e.g. Royal Copenhagen
Haviland Limoges Spode Lenox
- 3 Earthenware**
Term used interchangeably with pottery finance majolica
Includes figurines vases tablewares e.g. Wedgwood Delft
ware Royal Copenhagen Luncheon Italian Majolica
Use for material on both porcelain and pottery
- 4 Enamels**
Includes cloisonné
- 5 Mosaics**
- 6 Ornamental Bricks, Tiles**
- 739 METAL SCULPTURE**
Includes repoussé a process of shaping by beating or hammering
wrought metalwork metal casting from a mold taken of a model
For Metal manufactures see 671 672
- 2 Precious Metals**
Gold Silver Platinum
Includes religious articles tableware vases marks of silver
smiths and goldsmiths
- 27 Jewelry**
Art of the jeweler
Includes design of settings cutting and setting of gems and
semiprecious stones
- 4 Iron**
Ornamental work in iron and steel
For Metal manufactures see 671 672
- 5 Bronze and Other Metals**
Copper Brass Pewter Aluminum
Includes sculpture in the round and in relief
May be arranged alphabetically by country
- 7 *Armor**
Ornamentation of side arms firearms as well as suits of armor
For Manufacture of arms and armor see 683

740 DRAWING DECORATIVE ART

For Form divisions .1-9, see p. lv

741 FREEHAND DRAWING

Art of representing an idea, emotion or object by use of line, tone or color

.2 Materials and Methods of Freehand Drawing

How to draw How to use various media of charcoal, chalk, crayon, pencil, pen, pastels

.4 Elements of Freehand Drawing

Line Proportion Light and shade Composition
Color

For Perspective, see 742

.5 Cartoons Caricatures

Materials Methods Critical appraisal Collections

Includes works of cartoonists and caricaturists, drawing for animated cartoons

For Technical processes involved in producing animated cartoons, see 778.5

.6 Illustration

Illustration is the translation of an author's idea into pictorial form

.64 Book Illustration

Includes illustration of book covers and jackets

For Books which are rarities because of their illustration, see 096

.65 Magazine Illustration

.67 Advertising Illustration or Commercial Art

Includes fashion drawing, poster art; greeting card art

For Layout in advertising, see 659.13

.7 Sketching

Representation of an idea roughly to present its chief features

741.9 Collections of Drawings

Drawings of specific artists, schools or periods, places

742 PERSPECTIVE

Theory Principles

For Other methods of technical drafting, see 744.45

743 ANATOMY FOR ARTISTS

Human Animal Plant

Includes "how to draw" both from life and cast

744 TECHNICAL DRAFTING INDUSTRIAL PRODUCTION ILLUSTRATION

Process of drawing freehand or with instruments, designed to impart exact and specific information to the reader Is variously termed drafting, mechanical drawing, engineering drawing, precision drawing

Includes drafting room layout and practice, materials, equipment

Where interest in technical drafting lies chiefly in its relation to a specific subject, class in subject, e.g. Engineering drafting, 620.04, Aircraft drafting and production illustration, 629.142

For Graphic solutions or geometric construction, see 515

.4 Types of Technical Drafting and Industrial Production Illustration

Engineering drafting (mechanical, civil, mining, chemical, electrical) Architectural drafting Map drafting (plat, contour, topographic)

.43 Conventions

Special lettering Shading Dimensioning

.45 Methods

Working drawings and pictorial illustration

Includes orthographic, axonometric (isometric, dimetric, trimetric), oblique projections

For Perspective, see 742

744.5 Duplication of Technical Drawings

Includes blueprints and blueprint reading

Where interest in blueprint reading lies chiefly in its relation to a specific subject, class in subject, e g Aircraft blueprints and blueprint reading, 629 142

745-749 DECORATIVE ARTS**745 DECORATIVE ART AND DESIGN**

Decorative or applied arts utilize various phases of art as a means of ornamentation or enrichment, and generally are more the product of craftsmen than of artists

.2 Industrial Art

Structural design of objects, e g radios, clocks, lighting fixtures, automobiles, for mass production by machine tools

.3 Folk Art

Naive, non-academic, often untrained artistic expression of simple people in the design of utensils, furniture, portraiture, dress

.4 Design

Theories Principles Elements of pure and applied design

.44 Historic Decoration or Ornament

Includes periods and schools

.5 Handcrafts

Productive, creative work done by hand with the aid of simple tools or machines

Includes design and instruction in crafts using wood, leather, metals, plastics paper, textiles, e g wallpaper design painted textiles, tincraft

.52 Textile Handcrafts

It is recommended that Rugs be classified in 746 7

For Laces, tapestry, needlework, see 746

.58 Basketry

Raffia, rush, cane handwork

745.6

Decorative Lettering

Alphabets Monograms Heraldic design

For Lettering for technical drafting, see 744.43

.67

Manuscript Illumination*For Manuscripts which are valuable because of illumination, see 096*

.7

Stencil Decoration

Mechanical means of applying patterns with paint to textiles, furniture

For Silk screen printing, see 655.3

746

LACES TAPESTRIES NEEDLEWORK

Historic development Design Identification and collection

For Instruction in home needlework, lace making, see 646.2, Machine production, c.g. Production of laces, 677.6

.2

Laces*For Instruction in home crocheting and tatting, see 646.2*

.3

Tapestries*For Machine production of tapestries, see 677.6*

.4

Needle Crafts*For Instruction in home sewing, smocking, knitting, crocheting, quilting, embroidery, see 646.2*

.44

EmbroideryCrewelwork Needle point Ecclesiastic embroidery
Samplers*** Handmade Rugs***Includes Oriental rugs (formerly classified in 745.52)*

747 INTERIOR DECORATION

Planning, designing, execution of structural interiors and their furnishings

Includes walls, ceilings, floors and their decorative treatment; consideration of the use of upholstery, draperies, furniture, lighting in designing interiors of homes and other buildings; use of color in planning interiors

House furnishing was formerly classified in 645

For Factors involved in interior decoration, apart from their role in interior decoration, see subjects, e.g. Tapestries, 746.3; Rugs, 746.7; Furniture, 749; Color, 752; Architecture, 720

.2 Period Styles of Interior Decoration

May be arranged alphabetically by country

For Period styles of architecture, see 722-724; Period styles of furniture, 749.2

748 GLASSWARE

Ornamental and useful glass for table use, mirrors, lighting fixtures, e.g. lamps, candelabra

For Technical and mass production of glassware, see 666.1

.2 Period Styles of Glassware

Historic development	Design	Identification	Collection
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Includes Venetian, Bohemian, German, French (Lalique), English (Bristol), Irish (Waterford), American (Stiegel, Wister, Sandwich [Pressed glass], Steuben), Scandinavian (Orrefors)

.5 Stained Glass

Design	Process of making stained glass windows
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.6 Decoration of Glass

Includes intaglio or relief cutting, engraving, etching, sand blasting, spun glass techniques

749

FURNITURE AND ACCESSORIES

Historic development Design Identification Collection of fine furniture

Includes chairs, beds, tables, desks, chests; decorative forms of frames, brackets, consoles; accessories, e.g. fireplace mantels, clock cases; general collecting manuals

For Furniture manufacture, see 684.1; Consideration of furniture as an integral part of interior decoration, 747

.2

Period Styles of Furniture

Includes antiques, reproductions

For Gothic period furniture of more than one country, see 749.24; Renaissance period furniture of more than one country, 749.25; Baroque, 749.24

.21

American Furniture

Early American Colonial American Georgian (Savory) Federal (Duncan Phyfe) Modern

.22

English Furniture

English Gothic English Renaissance (Tudor, Elizabethan, Jacobean) William and Mary Queen Anne Georgian (Chippendale, Hepplewhite, Adam, Sheraton) Regency Modern

.23

German and Austrian Furniture

German Gothic German rococo Biedermeier Modern

.24

French Furniture

French Gothic and Gothic in general French Renaissance French baroque (Louis XIV) and Baroque in general French rococo French classic (Louis XVI) French provincial Directoire Empire Modern

.25

Italian Furniture

Italian Renaissance and Renaissance in general

.26

Hispanic Furniture

Spanish Portuguese

749.27	Slavic	Russian
.28	Scandinavian	
.29	Other	
	Includes the lacquers of Japan	

750 PAINTING

For History of painting, see 759, Painters and their work, school of painting, regardless of medium, technique, or subject, e.g. Religious oil paintings of Leonardo 759 5, Political ideology of murals of Diego Rivera 759 972, Form divisions except 9 which is not used, see p. lv

751 MATERIALS AND METHODS OF PAINTING

Composition Form Preservation and care Methods of restoration

Includes manner or method of execution in water color, gouache, wash, tempera fresco, oil

For Work of individual painters, see national school of painting to which they belong, regardless of medium, e.g. Water colors of John Marin, 759 13

752 COLOR THEORY AND PRACTICE

Properties Values Harmonics Contrasts Charts
For Theory of color and light see 535 6

753-758 DEVELOPMENT IN CRITICAL APPRAISAL COLLECTION

Paintings discussed primarily from view point of subject treatment, the artist being of secondary importance, e.g. Famous battle paintings, 756

753 EPIC PAINTING

Paintings of gods, heroes and other legendary figures

754 GENRE PAINTING

Paintings of everyday life

755 RELIGIOUS PAINTING

Paintings of religious figures and subjects Christian and non-Christian

756 HISTORICAL PAINTING

Paintings of famous events, battles

757 PORTRAITURE

Includes figure painting and painting of portrait miniatures

For Personal portraits, see 920

758 LANDSCAPE STILL LIFE

Includes seascapes, flower painting, animal painting

759 HISTORY OF PAINTING

Development, critical appraisal and collections of work of great periods and schools of painting

759.01-759.06 PERIODS OF PAINTING

*Painting of the same chronological period
extending over more than one country*

*For Painting in a particular country or of a specific artist, see
759.1-9 regardless of period*

.01 Ancient Painting Primitive Painting

Includes ancient decorative painting of the Orient, Egypt, Greece, and Rome; miniature painting of Persia

.02 Christian Painting (11th-12th-13th Century)

Includes Early Christian, Byzantine, Romanesque and Gothic painting.

.03 Renaissance Painting (14th-15th-16th Century)

*For Renaissance painting of a specific country, see 759.1-9,
e.g. Italian Renaissance painters, 759.5*

.04 17th and 18th Century Painting

*For 17th and 18th century paintings of a specific country,
see 759.1-9, e.g. 18th century painting in England, 759.2*

.05 19th Century Painting

Includes impressionism (formerly classified in 759.914), neo-impressionism, and intimism

*For 19th century painters of a specific country, see
759.1-9, e.g. Corot and the French impressionists, 759.4*

759.06 20th Century Painting

Includes so called "Modern or Contemporary" painting with its miscellaneous movements cubism (formerly classified in 759.915), abstraction, dadaism, surrealism (formerly classified in 759.915)

For 20th century painting in a specific country, see 759.1-9, e.g. *Dali and Spanish 20th century painters*, 759.6

759.1-759.9 NATIONAL SCHOOLS OF PAINTING

Includes works of individual artists regardless of period or subject

.1 American Painting

Includes United States and Canadian painters from John Cop-
ley, 18th, Inness, Whistler, 19th, to ~~Marr~~, ~~O'Keefe~~, Sheeler,
Stella, 20th century

.11 Canadian Painting**.13 United States Painting****.2 English Painting**

Includes painters from Hogarth and Reynolds, 18th, Turner,
Wilson Millais, 19th, John Seckert and Paul Nash, 20th
century

.3 German Painting

Includes German, Austrian, Czechoslovakian, Polish, Hun-
garian painters from Durer and Holbein, 16th, to Klee and
Grosz, 20th century

.4 French Painting

Includes painters from Poussin, 17th, Watteau and Chardin,
18th, Delacroix, Millet, Corot, Daubigny, Manet, ~~Degas~~,
Cezanne, Gauguin, 19th, to Matisse, Braque, Roussseau,
Rouault, 20th century

.5 Italian Painting

Includes painters from Giotto, 14th, Fra Angelico, Botticelli,
15th, Leonardo, Michelangelo, Raphael, Titian, Pintoretto,
• 16th, Guardi, Tiepolo, 18th, to Chirico, 20th century, also
futurism (formerly classified in 759.915)

- 759.6 Spanish Painting**
Includes painters from El Greco, Velazquez, 17th, Goya, 18th, to Picasso, Miro, Dali, Zuloaga, 20th century
- .7 Russian Painting**
Includes Chagall, Kandinski, 20th century
- .8 Scandinavian Painting**
Includes Norwegian, Swedish, and Danish painters from Anders Zorn, 19th, to Innquist, Grunewald, 20th century
- .9 Other Schools of Painting**
- .91** It is recommended that **International Schools (Impressionism, Cubism, Surrealism)** be classified in 759.05-.06

759.93-759.99 OTHER NATIONAL SCHOOLS

may be divided like 930-999, except as provided above

- .9492 Dutch Painting**
Includes Franz Hals, Rembrandt, Vermeer, Pier Borch, 17th, Van Gogh, 19th century
- .9493 Flemish Painting**
Includes Van Eyck, Memling, 15th, Brueghel, 16th, Rubens, Van Dyck, 17th century
- .95 Far Eastern Painting**
- .951 Chinese Painting**
- .952 Japanese Painting**
- .972 Mexican School**
Includes Lazo, Siqueiros, Diego Rivera, Orozco, Covarrubias, Reueltas
- .98 Latin American School**
Includes Portinari

760 PRINTS AND PRINT MAKING

Prints are products of processes that permit multiple copies to be made in limited editions by the original artist
Includes technique materials collecting

For Mechanically produced works e.g. line plate halftone photo gravure offset see 655.32 Techniques of specific processes see process e.g. How to do dry points 767 Form divisions 1-9 p. lv

761-767 DESIGN METHOD
Critical appraisal Work of
individual artists Collection
Includes technique materials

For Collections including more than one method e.g. Etchings and engravings see 769

761 RELIEF PRINTS

Wood cuts Wood engravings Linoleum blocks

Includes Japanese prints by Hiroshige Hokusai work of Holbein Dürer Maillol Rockwell Kent Eric Gill Ivind Ward Cingun Clire Ieighton

3 Linoleum Blocks

762 It is recommended that INTAGLIO WORK be classified in 765-767

763 SURFACE OR PLATE PRINTS

Lithographs

Includes work of Pennell Dummer Currier and Ives

765-767 INTAGLIO PRINTS

765 METAL ENGRAVINGS

Includes work of Hogarth Brueghel

766 AQUATINTS MEZZOTINTS

767 ETCHINGS DRY POINTS

Includes work of Rembrandt, Goya, Whistler, John Taylor Arms, Benson, Brangwyn

769 COLLECTIONS OF PRINTS

Collections which illustrate various processes of print making and of interest from art standpoint

May be arranged by subject, form, locality or artist

For Collections representing one process, see process, e.g. Engravings of Eric Gill, 765; Illustrations of animals of interest because of subject, not art, see animal, e.g. Dog pictures, 636.77

770 PHOTOGRAPHY

For Form divisions .3-.9, see p. lv; exceptions .1-.2 follow:

- 770.1 **Photographic Theory**
Theories of physical, mechanical, chemical influences on
photographic preparations
Includes photographic optics

- .2 **Photographic Methods**
Elementary operations of photographic processes, e.g. exposure,
developing, fixing, printing, retouching, finishing, toning
Includes amateur photography

771 **PHOTOGRAPHIC MATERIALS**

Includes photographic studios, dark rooms, laboratories

- .3 **Cameras and Accessories**
Cameras (box, folding, reflex, candid, miniature, moving picture,
special cameras, e.g. stereo, panoramic, aerial)
Camera parts and accessories (lenses, shutters, finders, filters,
tripods)

- .5 **Photographic Chemicals**
Preparation and use, from photographic viewpoint, of chemical
materials used in photography (support materials; sensitive
preparations; photographic baths and mixtures; printing, emulsion,
coating materials)

For Chemical action and influence of light, see Photochemistry, 541.35; Manufacture of photographic compounds, 661.7

772 **METALLIC SALT PROCESSES OF PHOTOGRAPHY**

Materials Equipment Methods

Processes using various metallic salts, e.g. silver, iron, platinum,
palladium (Daguerreotype, ferrotype or tintype, platinotype
process, ferroprussiate process, cyanotype, Kallitype)

773 **PIGMENT PROCESSES OF PHOTOGRAPHY**

Materials Equipment Methods

Includes carbon, carbro, gum-bichromate, bromoil, diazo processes

774-777

*It is recommended that Photomechanical processes
be classified in 655.32*

778 APPLIED PHOTOGRAPHY**.1 Photocopying**

Includes photostats

For Microphotography, see 778.3; Blueprints, 744.5

.2 Photographic Projection

Includes projectors, projector screens

.3 Scientific Photography

Scientific applications of photography, e.g. photomicrography or photography of minute objects by aid of microscope; microphotography or production of photographs of microscopic size; telephotography, radiography, infra-red and ultra-violet photography, aerial photography, high-speed photography, photogrammetry

For Specific applications, see fields to which applications are made, e.g. Photogrammetric methods in Topographic surveying, 526.98; Biological microphotography, 578

.4 Stereoscopic Photography

Photography of a subject from two different points apart, e.g. width of the eyes

.5 Cinematography

Photography of moving pictures
Includes sound films; newsreels; animated cartoons; color movies, e.g. Technicolor, Kinemacolor

For Moving picture production, see 792.93; Reproduction of sound in moving pictures, 621.345

778.6

Panchromatic and Color Photography

Includes photography of colored objects and natural color photography

Additive processes Trade names include Autochrome, Film-color Dufaycolor, Finlay color

Subtractive processes Trade names include Kodachrome, Ektachrome, Kodacolor, Kotavachrome, Agfacolor, Ansacolor, Printon, Casparcolor

Color prints Trade names include Tricolor Carbro, Belcolor, Chromatone, Wash Off Relief, Kodak Dye Transfer, Duxochrome or Colorstil, Pinatype, Jos Pl, Autotype Dycbro

For Color moving pictures, see 778.5

.7

Photography under Special Conditions

Outdoor, indoor, submarine, arctic or cold temperature, tropic or hot weather

.8

Trick Photography

Includes table top photography, multiple photographs of the same object, photographs of specters, silhouette photography

.9

Photography of Special Subjects

Includes portraits, photography of animals, children, plants, clouds, mountains

779

COLLECTIONS OF PHOTOGRAPHS

780 MUSIC

Music and literature about music

Includes musicology

Music may be separated from works about music by prefixing M to class number

For Form divisions .2-.6, .8-9, see p. lv, .1 and .7 follow:

- 780.07 **Music and Musicians in Relation to Society, the Arts**
Includes amateurs, the public, patronage, music in the home
(formerly classified in 780.13)
For Copyright of music, see 655.6
- .071 **Musicians**
Duties Activities Professional ethics
Includes composers, interpreters and performers, e.g.
bards, minstrels, Meistersingers
For Biography of individual musicians, see 927.8 or 780.92
- .072 **Critics Musical Criticism**
It is recommended that **Analytical guides** (program notes) be classified in 780.15
- .1 **Philosophy Esthetics**
- .13 **Value of Music**
Influence and effect of music in industry, hospitals, character training; musical therapeutics
It is recommended that **Music in the Home** be classified in 780.07
- .15 **Appréciation**
Includes analytical guides (program notes) too general to class with specific works or composers
Analytical guides were formerly classified in 780.072
- .7' **Study and Teaching**
- .72 **Musical Conservatories, Schools, Courses**
Includes methods of teaching music in general schools
For Place of music in curricula, see 375.78; Music in elementary schools, 372.878

780.73

Concerts Concert and Recital Programs

Programs too general to class elsewhere

*For Programs of specific type, see type of concert, e.g.
Chamber music programs, 785.7*

.77

Methods of Teaching Music

Includes dictation, ear training, pitch perception, eye training,
music reading, sight reading

*For Methods for specific medium, see medium, e.g.
Teaching violin, 787.1*

.9

History of Music

Includes theories and forms (formerly classified in 781.7)

May be divided like 930-999

781

THEORY AND TECHNIQUE OF MUSIC

For Nomenclature and terminology, see 780.3

.1

Scientific Theories

Mathematical theory of music Acoustics in music Psy-
chology of music Color and music

.2

Principles of Music

.22

Sound from Music Viewpoint

Pitch, scales, intervals, chords, tonalities

.24

Music Notation

Music writing

Includes systems of notation: neumes, tablature, notation for
blind, reform proposals

.3

Harmony Thorough-bass

Includes figured bass, keyboard harmony, modulation

For Realization of figured bass at sight, see 781.66

.4

Counterpoint

Includes canon, fugue

.41

Melody

.5

Musical Form

*For Specific forms of music, see form under medium, e.g.
Piano sonatas, M786.4*

781.6	Composition	Performance
	781.61-781.63 COMPOSITION	
.61	Composition	
	Includes vocal and instrumental composition and arranging	
.62	Special Phases	
	Rhythm and meter	
.63	Writing for Instruments	
	Includes writing for orchestra, band, dance orchestra	
	For Conducting, see 785-789	
	781.64-781.67 PERFORMANCE	
	For Performance in specific medium, see medium, e.g. Violin performance 787.1; Conducting, 785-789	
.64	Transposition	
.65	Interpretation	Improvisation Phrasing
	Memorizing	
.66	Accompanying	Realization of Figured Bass at Sight
.67	Embellishment	
.7	It is recommended that Theory and Form be classified with History of Music, 780.9	
.8	It is recommended that Ancient Music be classified with History of Ancient Music, 780.93	
.9	Other Techniques in Music	
.97	Music Bibliography	
	Bibliographies of music and works about music	
	Includes catalogs of public and private libraries, publishers, dealers; and thematic and other catalogs of composers	
	Where interest in bibliographies of works about music lies chiefly in relation to bibliography, class in 016	
.98	Publishing	
	Includes printing, selling	

782 DRAMATIC MUSIC THEATER MUSIC

Includes original music and selections from it

For Theatrical production, see 792.9

.08 Collections

Includes collections of stories from operas

.1 Operas

Includes grand, comic and satiric (formerly classified in 782.6); bouffe (formerly classified in 782.7), operetta (formerly classified in 782.8)

May be arranged in single alphabet by name of composer

.6 It is recommended that **Comic and Satiric Opera** be classified in 782.1

.7 It is recommended that **Bouffe Opera** be classified in 782.1

.8 Theater Music Secular Cantatas

Includes musical comedy revues, film music

It is recommended that Operettas be classified in 782.1

For Sacred cantatas, see 763.4

.9 Pantomime Masque Ballet Pageant**783 CHURCH MUSIC**

For Hymnology, sacred poetry and hymns without music, see 245, Hymns with music, 753.9 Vocal solos 784.3

.1 It is recommended that **Organ Music** and **Organ Accompaniment** be classified in 768.8; **Instrumental Music with Instrument**

.2 Liturgical and Ritualistic Music

Music for public worship and prayer of all religions and sects
Includes mass and missals Kyrie, Gloria in excelsis, credo, offertory, gradual, tract, requiems, choral services morning and evening services, matins, vespers, complines, litanies, antiphones, responses, special seasons Advent, All Saints, Lent

For Excerpts published or set separately, see 783.4

- 783.3 Oratorio Passion Music Christmas Drama**
 Music whose accompaniment was originally for orchestra
- .4 Anthems Motets Sacred Cantatas Choruses**
 Unaccompanied choruses Accompaniment not originally
 composed for orchestra
- .5 Chants**
 Includes Gregorian, Anglican
- .6 Carols**
For Chorals set for congregational singing, see 783.9
- .7 Evangelistic Music**
 Includes mission, revival, Sunday school-music
For Evangelistic hymnals, see 783.9
- .8 Church Choirs**
 Includes training
For Choruses and their training in general, see 784.96
- .9 Congregational Singing**
 Includes chorals for congregational singing, hymns
For Hymns without music, see 245

784 VOCAL MUSIC

With or without accompaniment

Includes sacred and secular songs

Vocal music is arranged by kinds, e.g. folk, community, madrigals

Where necessary it may be arranged under kind by (1) voice, e.g. children, women, men; (2) accompaniment, e.g. unaccompanied, keyboard, orchestra; (3) number of voice parts

For Dramatic music, see 782; Sacred, 783

- .061-.068** It is recommended that the arrangement above (784) be used instead of that suggested in previous editions in .061-.068

- .1 Chorus and Part Songs**
 Accompaniment not originally composed for orchestra
 Includes madrigals, rounds

-
- 784.2 Complete Choral Works**
 Accompaniment originally intended for orchestra
For Selections, see medium of performance
- .3 Solo Songs**
 Songs which are composed and not provided for in 784.4-7
- .4 Folk Songs**
 Musical repertory and tradition of communities
For American Negro folk songs, see 784.756 National airs and songs, 784.71
- .5 Festivals Competitions**
- .6 Community Songs Student Songs Society Songs**
- .61 Community Songs Home Song Books Popular Songs**
- .62 Student Songs**
 Includes songs of colleges professional and technical schools
- .624 School Songs Children's Songs**
 Includes songs of elementary and secondary schools
- .625** It is recommended that **Kindergarten Songs** be classified in 372.21
- .66 Special Group Songs**
 Includes Rotary, Lions songs
- .68 Topical Songs**
 Includes songs on temperance baseball
- .7 Other Songs**
- .71 National Airs Songs Hymns**
 Includes martial and political songs
- .75 Songs of Groups Not Otherwise Provided for**
 Includes Gypsy and American Indian songs
- .756 American-Negro Songs and Spirituals**

784.8 Collected Songs

May be arranged like 784

For Community songs, popular songs and home song books, see 784.61

.9 Performance

Includes solo and ensemble

.92 Physiology of Voice

For Voice and speech in physiology, see 612.78

.93 Voice Training

Vocal exercises, breathing, pronunciation, tone formation, vowel formation, vowel exercises, whistling

For Speech or public speaking, see 808.5

.94 Special Methods

Sight singing methods, solfeggios, sol-fa

.95 Concert and Dramatic Performance**.96 Performance in Concert Choruses**

Chorus training and conducting

For Church choirs, see 783.8; Choral speaking, 808.55

785-789 INSTRUMENTS AND INSTRUMENTAL MUSIC

History Manufacture Repair Instruction
Technique Conducting

For Specific instrument or music written or arranged for it, see instrument, e.g. Conducting symphonic music, 785.11; Music for viola, 787.2

785 INSTRUMENTAL ENSEMBLES**.1 Orchestras and Orchestral Music**

Includes orchestral arrangement of instrumental music

For Concertos, see 785.6

.11 Symphony Orchestras and Symphonic Music

Includes symphonies, symphonic poems, variations

-
- 785.2 Orchestras and Orchestral Music with Incidental Vocal Music**
For Cantatas, see 782.8, 783.4; Oratorios, see 783 and 784
- .4 Dance, Salon, Theater and Reduced Orchestras and Music**
- .42 Jazz Orchestras and Jazz**
- .5 Overture**
Includes opera overtures for concert performances
- .6 Concerto**
Composition in which one or more solo instruments stand out against the orchestra
Includes concerti grossi
Full score and parts may be divided by solo instrument, e.g. violin concerto, 785.671; Piano concerto, 785.662
- .7 Chamber Orchestra**
Music suitable for performance in a moderate size room with not more than one player to a part and parts of equal importance
Usually implies two or more persons
Scores may be arranged by composer Scores and parts or parts only may be arranged by number of parts, e.g. trio, quartet
- .8 Suites**
Includes ballet suites
- .9 It is recommended that Arrangements, Transcriptions be classified with Medium, e.g. Orchestral Arrangement of instrumental composition, 785.1**
- 786 KEYBOARD INSTRUMENTS**
For Duos with keyboard and non-keyboard instruments, see non-keyboard instrument, e.g. Violin and piano, 787.1; Organ and piano, 786.8
- .2 Piano**
Includes early forms, forerunners, e.g. harpsichord, clavichord, spinet, virginal

786.23	Manufacture	Tuning	Repair
.3	Instruction		
.36	Elementary		
.37	Intermediate		
.38	Advanced		
.4	Piano Music		
	Music composed and arranged for piano		
	May be arranged by form or number of pianos or performers		
.6	Organ		
.63	Manufacture	Tuning	Repair
.7	Instruction		
.8	Organ Music		
	Includes church organ music (formerly classified in 783.1), organ and piano music		
.9	Other Keyboard Instruments		
	Includes electronic and semi electronic organs, e.g. Hammond, Novachord, accordion		
	It is recommended that Music for all types of organs be classified in 786.8		

787 **STRING INSTRUMENTS**

Includes string orchestras, duos with string instrument and keyboard instrument

- | | |
|-----|--|
| .04 | String Chamber Music |
| | Three to ten instruments, with or without keyboard instruments, and duos not employing keyboard instrument |
| | May be arranged like 785.7 |
| | <i>For Arrangement keeping all chamber music together, use 785.7</i> |
| .1 | Violin |
| .2 | Viola |
| .3 | Violoncello |

787 4 Other Double Bass Instruments

Includes contra bass

5 Harp**6 Lute****61 Guitar Balalaika****65 Mandolin****7 Banjo****8 Zither and Other Plectral Instruments****9 Other Plectral Instruments**

Includes ukuleles

95 Ensembles**788 WIND INSTRUMENTS**

Includes duos with wind and keyboard instrument bands and band music

04 Wind Chamber Music

May be arranged like 785 7

For Arrangement keep in all chamber music together use 785 7

07 Band Conducting

Includes drum majoring

1 Trumpet Cornet Bugle

Cornet was formerly classified in 3

2 Trombone**3 Mellophone Alto Horn**

It is recommended that Cornet be classified in 1

4 French Horn**47 Baritone, Euphonium****48 Bass Horn Tuba Sousaphone****49 Other Brass Wind Instruments****5 Flute Piccolo Fife Flageolet Recorder
Ocarina**

-
- | | | | |
|-------|--|-----------------------|--------------------|
| 788.6 | Clarinet | Bass Clarinet | Basset-horn |
| .66 | Saxophone | | |
| .7 | Oboe | English Horn | |
| .8 | Bassoon | Double Bassoon | |
| .9 | Other Reed Wind Instruments | | |
| | Includes bagpipe, alpenhorn, harmonica | | |
- 789 **PERCUSSION INSTRUMENTS**
MECHANICAL REPRODUCTION OF MUSIC
- | | |
|----|---|
| .1 | Membranophones |
| | Includes drums |
| .4 | Percussion Instruments Without Pitch |
| | Includes castanets, maracas |
| .5 | Percussion Instruments with Pitch |
| | Includes bells, chimes, carillon, hand bells for change ringing |
| .6 | Other Percussion Instruments with Pitch |
| | Includes glockenspiel, marimba, xylophone, celesta |
- 789.7-789.9 **Mechanical Reproduction of Music**
- | | |
|------|---|
| .7 | Mechanical Instruments and Devices |
| | Includes barrel organ, orchestron, hurdy gurdy |
| .8 | Music Boxes |
| .9 | Electrophones |
| | Includes theremin, onchicon |
| | For specific instruments, see prototype, e.g. Hammond organ 786.9 |
| .91 | Phonographs |
| .912 | Phonograph Records |
| .913 | Catalogs of Records |

790 RECREATION

Includes amusements hobbies recreation or community centers

For Individual hobbies see specific numbers e.g. Philately
383 22 *Form divisions 1 9 p lv*

791 SHOWS

Includes traveling shows concerts tournaments public fêtes

.1 Minstrel Shows

Staging Direction Production

It is recommended that **Conjuring** and **Ventriloquism** be classified in 793 8

For Minstrel show scenarios see 800

3 Circus

It is recommended that **Horse shows** be classified in 798

5 Puppets

Art and technique of puppetry (making and operating marionettes and puppets staging and producing puppet plays)

For Shadow pantomimes and plays see 800

6 Pageants

8 Animal Shows

Includes bull fights cock fighting rodeos

For Horse shows see 795

792 THEATRE

Includes stage screen radio television little group or experimental theater movement

For Architecture of theaters see 725 9 Dramatic music 782
Dramatic composition and collections see appropriate divisions in 800

01 Dramatic Criticism

For Criticism of the dramas literary work see 800 s

792.02 Theater Handbooks

Handbooks of theater practice, e.g. direction and production, acting, stage design, stage lighting, theatrical make-up, costume design and costuming, sound effects

For Theatrical production, see 792.9

.09 History of Theater**.8 Ballet**

Includes choreography, ballet dancing

For Ballet music, see 782.9

.9 Theatrical Production**.92 Stage Show Production****.93 Moving Picture Production**

For Cinematography, see 778.5; Photoplay scenario writing, 808.23; Moving pictures in education, 371.335

.94 Radio Show Production

For Radio communication, see 384.5; Radio engineering and broadcasting, 621.384; Radio scripts and how to write them, 808.22; Radio in education, 371.333

.95 Television Show Production

For Television communication, see 384.55; Television engineering and broadcasting, 621.388; Television authorship, 808.22; Television in education, 371.335

793 PARTIES OTHER ENTERTAINMENT

Includes tableaux, charades

For Special day entertainments, see 394.26

.3 Dancing**.31 Folk and National Dances****.32 Theatrical Dancing**

Includes classical dancing, interpretative dancing, tap dancing

.33 Ballroom Dancing

Includes waltz, fox trot, tango, rumba, conga, samba, jitterbug dancing

793.34

Square Dances Country Dances

Includes quadrille, Virginia reel

.7

Puzzles

Includes riddles, quizzes, contests, literary and mathematical games, c g anagrams, crossword puzzles, acrostics, mathematical puzzles and tricks

.8

Conjuring

Includes juggling,legerdemain, prestidigitation, tricks, ventriloquism (formerly classified in 791.1)

For Card tricks, see 795.43

794

CHESS CHECKERS

.1

Chess

.2

Checkers

Includes gobang

.6

It is recommended that **Bowling** be classified in 796.31

.7

It is recommended that **Pool and Billiards** be classified in 796.3

795

CARD AND TABLE GAMES

.1

Dice Games

Includes backgammon, craps

.2

Roulette

Includes similar wheel and top games

.3

Dominoes

Includes other games in which numbers or counters are drawn, c g Mah jong, lotto, monopoly

.4

Cards

Includes poker, pinochle, rummy, canasta, solitaire

.41

Bridge

Whist, auction, contract, five suit bridge

.43

Card Tricks*For Fortune telling with cards, see 133.3*

796 ATHLETICS AND SPORTS

Includes children's games

For Physical education in schools, see 371.73; Intramural athletics and games, 371.74; Interschool athletics and games, 371.75; Form divisions, p. lv

.3 Ball Games

Includes all ball games, except those below:

May be arranged alphabetically

.31 Bowling

Formerly classified in 794.6

.32 Basketball**.33 Football**

Includes Rugby, soccer

.34 Tennis

Includes badminton, ping-pong

.35 Golf**.357 Baseball****.4 Gymnastics Track Athletics**

Includes calisthenics, acrobatics

.48 Olympic Games**.5 Outdoor Life**

Includes dude ranches

.51 Walking**.52 Mountain Climbing****.54 Camping**

Includes manuals for camp counselors

.6 Cycling

Includes bicycles, motorcycles

.7 Automobiling

Includes wandering vacations by car, with or without a trailer

- 796.72 Automobile Racing**
Includes racing of miniature and soap-box automobiles
- .8 Combat Sports**
- .81 Wrestling**
- .83 Boxing**
Includes prize fighting, sparring, bag punching
- .84 Jujitsu**
- .86 Fencing**
- .9 Winter Sports**
Includes iceboating, sleighing, tobogganing, snowshoeing
- .91 Skating**
Includes ice dancing, ice shows
- .93 Skiing**
- .96 Ice Games**
Includes ice hockey, curling
- 797 AQUATIC SPORTS AIR SPORTS**
- .1 Boating**
Includes canocing, rowing, sailing (small boats), motorboating
For Seamanship, see 623.88; Ship models, 623.82
- .14 Yachting**
Includes yacht sailing and racing
- .2 Swimming**
Includes diving, aquatic games and stunts, water pageants
- .5 Air Sports**
Includes airplane racing, gliding for sport
For Aircraft models and model making, see 629.131
- 798 EQUESTRIAN SPORTS RACING**
Includes Horse shows (formerly classified in 791.3)
- .2 Horsemanship**
Includes horse training

-
- 798.4 Horse Racing**
Includes bookmaking
- .8 Dog Racing**
- 799 HUNTING SPORTS**
Includes fishing hunting, shooting
For Hunting, trapping fishing as an occupation, see 639, Conservation of wild life, 333.78
- .1 Fishing**
Includes all methods of fishing in fresh and salt water, fishing tackle artificial flies
- .2 Hunting**
Includes hunting with retrievers pointers selection, care, use of hunting guns
- .24 Bird Hunting**
Includes decoys
- .25 Falconry and Other Special Hunting Methods**
Includes coursing, jack hunting, drag hunting
- .3 Shooting**
For Game shooting, see 799.2, Gunners 623.5
- .31 Target Practice**
Includes trapshooting skeet shooting, selection, care, use of sporting guns
- .32 Archery**
Includes bow and arrow

800 Literature

Classification of literature except that of United States is by language, not by nation. Libraries may separate their national literature from other literature in the language by adding letters or symbols to class numbers, e.g. Chilcan literature C860

Literary works of modern authors who write in several languages or whose native language cannot be established, may be classified in the literature of language in which works are written

Fiction is seldom classified but is sometimes distinguished by "F," and arranged alphabetically or Cuttered by author

Small libraries often classify all literature written or translated into English in 820-828, disregarding original language in which it was written

Literature, with the exception of 870 and 880 and specified parts of the 890's, may be divided according to literary form by adding the following numbers to the basic number of the literature

1 poetry	5 oratory
2 drama	6 letters
3 fiction	7 satire
4 essays	8 miscellany

e.g. German poetry, 831; Swedish poetry, 839.71; Irish drama, 891.622

Small libraries and others which consider it important to keep an author's work together, arrange all works in a specific literature alphabetically by author regardless of the form in which it is written, while academic libraries often consider further division of literary form by period necessary. For such libraries, chronological divisions may be found with each literature. However, if the national language is that of two or more nations, the national character of period divisions makes it awkward to expand beyond literary form

For Form divisions 01-03 and 05-07, see p. lv, 04, 08 and 09 follow:

804 ESSAYS LECTURES ADDRESSES

Collections in which literature is the subject

Distinction between following numbers for essays follows:

808.84 Collections of essays from several literatures written originally in different languages

04 (form division) Collections of essays about a literature, e.g. Collections of essays about English drama, 822.04

4 (literary form) Essays written in a particular language, e.g. English essays, 824

808 LITERARY COMPOSITION RHETORIC

Material about literary composition and style

For Collections of literature, see 808.8

.06 Writing for Publication

Includes "how to write for profit," business or career of writing

For Aids for writing in form acceptable for publishing, see 029.6; Book clubs, 655.5

.1 Poetry

Includes prosody (formerly classified in 416, 426)

.2 Drama

For Texts of drama, see 812, and other drama numbers

.22 Radio and Television Script Writing**.23 Moving Picture Scenario Writing****.24 One-act Playwriting****.3 Fiction****.31 Short Story Writing****.4 Essays****.5 Speech Public Speaking**

Techniques for delivering public addresses, radio speeches, after-dinner speeches, toasts and speeches for special occasions

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- 808.52 **Voice Expression Gesture**
 Includes speech correction
 For Vocal culture, see 784.93; Training of speech de-
 fectives, 371.914
- .53 **Debating**
 Includes round table and forum discussions
 For Organization of discussion groups in adult educa-
 tion, see 374.24
- .54 **Reading Techniques**
 Includes public speaking, oral interpretation and dialects
 For Learning to read in elementary schools, see 372.4;
 Remedial reading, 428.4
- .55 **Choral Speaking**
- .6 **Letters Diaries**
 Where interest in letters and diaries lies chiefly in their rela-
 tion to biography, class in 920
- .7 **Satire Humor**
- .8 **Collections from Several Literatures Written Originally in**
 Different Languages
 Includes recitations and readings
 For Collections relating to specific subject, e.g. Collections of
 writings on history, 908
 May be divided like 801.1-801.7, e.g. Collections of poetry,
 808.81
- .88 **Quotations**
 For Riddles, see 398.6; Proverbs, 398.9
- 809 **HISTORY OF LITERATURE**
 Literatures written originally in several languages
 May be divided like 808.1-808.7, e.g. History of fiction, 809.3

810 AMERICAN LITERATURE

Includes Canadian literature which may be distinguished from United States literature by adding C to notation. If it seems desirable to separate Canadian literature, English-Canadian may be classified here and French-Canadian in 840. Some libraries do not distinguish between American and English literature, classifying both literatures in 820

May be divided by literary form divisions as given on p. 399, e.g. American satire, 817; and if it seems desirable to divide literary form by period, following table may be used

- .1 Colonial era (1607-1776)
- .2 Post-revolutionary era (1777-1830)
- .3 Middle 19th century (1831-1861)
- .4 Later 19th century (1862-1900)
- .5 20th century (1901-)

e.g. American poetry in later 19th century, 811.4

For Collections of English and American literature, see 820

820 ENGLISH LITERATURE

821-828 is expanded as an example of the application of literary form divisions and period divisions of a national literature

For Form divisions, see p. lv

821 ENGLISH POETRY

For Form divisions .01, .08, .09, see p. lv, .02-.07 have been expanded for types of poetry, therefore regular form divisions are .002-.007

- .02 **Dramatic**
- .03 **Romantic and Epic**
- .04 **Lyric, Ballads**
- .05 **Didactic**
- .06 **Descriptive**
- .07 **Satiric and Humorous**

- .1 **Early English (1066-1400)**
 Includes Layamon, Chaucer
- .2 **Pre-Elizabethan (1401-1558)**
- .3 **Elizabethan (1559-1625)**
 Includes Spenser, Sir Ph¹ Sidney
- .4 **Post-Elizabethan (1626-1702)**
 Includes Suckling, Herrick, Lovelace, Milton, Dryden
- .5 **Queen Anne (1703-1745)**
 Includes Pope
- .6 **Later 18th Century (1746-1800)**
 Includes Gray, Cowper, Burns
- .7 **Early 19th Century (1801-1837)**
 Includes Wordsworth, Byron, Shelley, Keats
- .8 **Victorian Period (1838-1900)**
 Includes Tennyson, the Brownings, Swinburne, Bridges

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- 821.9** **20th Century (1901-)**
Includes Maschfield, Noyes, de la Mare, the Sitwells, T. S. Eliot,
Spender, Housman, Auden, Davies
- 822** **ENGLISH DRAMA**
Includes radio, television motion picture plays
- .1** **Early English (1066-1400)**
- .2** **Pre-Elizabethan (1401-1558)**
- .3** **Elizabethan (1559-1625)**
Includes Shakespeare, Ben Jonson, Beaumont and Fletcher
- .4** **Post-Elizabethan (1626-1702)**
Includes Wycherly, Congreve
- .5** **Queen Anne (1703-1745)**
Includes John Gay
- .6** **Later 18th Century (1746-1800)**
Includes Sheridan
- .7** **Early 19th Century (1801-1837)**
- .8** **Victorian Period (1838-1900)**
Includes Barrie, Wilde
- .9** **20th Century (1901-)**
Includes Galsworthy, Shaw
- 823** **ENGLISH FICTION**
Includes short stories
- .1** **Early English (1066-1400)**
- .2** **Pre-Elizabethan (1401-1558)**
- .3** **Elizabethan (1559-1625)**
- .4** **Post-Elizabethan (1626-1702)**
Includes Bunyan
- .5** **Queen Anne (1703-1745)**
Includes Defoe, Fielding

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- 823.6 **Later 18th Century (1746-1800)**
 Includes Richardson, Sterne, Goldsmith
- .7 **Early 19th Century (1801-1837)**
 Includes Scott, Jane Austen
- .8 **Victorian Period (1838-1900)**
 Includes the Brontës, Thackeray, Dickens, Kingsley, Trollope,
 George Eliot, Hardy, Stevenson
- .9 **20th Century (1901-)**
 Includes Bennett, Conrad, Galsworthy, Walpole, Maugham,
 Wells, Joyce, Woolf
- 824 **ENGLISH ESSAYS**
- .3 **Elizabethan (1558-1625)**
- .4 **Post-Elizabethan (1626-1702)**
- .5 **Queen Anne (1703-1745)**
 Includes Addison, Steele
- .6 **Later 18th Century (1746-1800)**
 Includes Samuel Johnson
- .7 **Early 19th Century (1801-1837)**
 Includes Lamb, Hazlitt
- .8 **Victorian Period (1838-1900)**
 Includes Carlyle, Ruskin
- .9 **20th Century (1901-)**
 Includes Belloc, Chesterton, Beerbohm, Alice Meynell
- 825 **ENGLISH ORATORY**
 May be divided by periods like 821
 For Techniques of public speaking see 806.5
- .6 **Later 18th Century (1746-1800)**
 Includes Burke, Pitt
- 826 **ENGLISH LETTERS**
 May be divided by periods like 821

827 ENGLISH SATIRE AND HUMOR

May be divided by periods like 821

828 ENGLISH MISCELLANY

Includes anecdotes, anagrams, epigrams, quotations, epitaphs, literary works that cannot be classified under other literary forms

May be divided by periods like 521

For Anecdotes devoted to specific subjects, see subject, e.g.
Riddles 398.6, Proverbs, 398.9

829 OLD ENGLISH (ANGLO-SAXON)**LITERATURE**

.1 **Poetry**

.2 **Caedmon**

.3 **Beowulf**

.4 **Cynwulf**

.5 **Homilies and Religious**

.7 **Alfred the Great**

8 **Miscellaneous**

.9 **Historical and Biographical Writings**

830 GERMAN LITERATURE

May be divided by literary form divisions as given on p. 399, e.g. German satire, 837; and if it seems desirable to divide literary form by periods, following table may be used

- .1 Before Crusades (–1150)
- .2 Middle high (1151–1300)
- .3 Period of decline (1301–1517)
- .4 Reformation (1518–1625)
- .5 Period of imitation (1626–1750)
- .6 Classical period (1751–1830)
- .7 Post-classical period (1831–1856)
- .8 Later 19th century (1857–1900)
- .9 20th century (1901–)

e.g. German drama in the Classical period, 832.6

For Example of form and period expansion, see English literature, 820

838.99

Yiddish Literature

Yiddish literature was formerly classified in 892.49

839

OTHER GERMANIC LITERATURES

Includes Frisian, Anglo-Frisian, Old Saxon and Gothic

.3

Netherlandish and Low German Literatures

.31

Dutch Literature

May be divided by literary form divisions as given on p. 399, e.g. Dutch drama, 839.312; and if it seems desirable to divide literary form by period, following table may be used

- 1 Middle ages (1201–1450)
- 2 Renaissance (1451–1600)
- 3 Baroque (1601–1700)
- 4 Rationalism (1701–1800)
- 5 19th century (1801–1900)
- 6 20th century (1901–)

e.g. Dutch drama in the 19th century, 839.3125

For Example of form and period expansion, see English literature, 820

839.32**Flemish Literature**

May be divided by literary form divisions as given on p. 399, e.g. Flemish essays, 839.324; and if it seems desirable to divide literary form by period, divide like Dutch period divisions, 839.31

For Example of form and period expansion, see English literature, 820

.36**Afrikaans**

May be divided by literary form divisions as given on p. 399, e.g. Afrikaans poetry, 839.361

.4**Platdeutsch (Modern Low German) Literature****.5****Scandinavian Literatures****.6****Old Norse Icelandic Faroese****.7****Swedish Literature**

May be divided by literary form divisions as given on p. 399, e.g. Swedish poetry, 839.71; and if it seems desirable to divide literary form by period, following table may be used

- 1 Middle ages (1201-1520)
- 2 Reformation (1521-1640)
- 3 Age of Stjernhjelm (1641-1740)
- 4 Age of Dalin (1741-1780)
- 5 Age of Gustavus (1781-1800)
- 6 19th century (1801-1900)
- 7 20th century (1901-)

e.g. Swedish fiction in the 19th century, 839.736

For Example of form and period expansion, see English literature, 820

.8**Danish and Norwegian Literature**

839.81**Danish Literature**

May be divided by literary form divisions as given on p. 399, e.g. Danish letters, 839.816; and if it seems desirable to divide literary form by period, following table may be used

- 1 Middle ages (1101-1500)
- 2 Reformation (1501-1560)
- 3 Learned period (1561-1700)
- 4 Age of Holberg (1701-1750)
- 5 Period of enlightenment (1751-1800)
- 6 19th century (1801-1900)
- 7 20th century (1901-)

e.g. Danish poetry in the Age of Holberg, 839.8114

For Example of form and period expansion, see English literature, 820

.82**Norwegian Literature**

May be divided by literary form divisions as given on p. 399, e.g. Norwegian miscellany, 839.828; and if it seems desirable to divide literary form by period, use Danish period table above, e.g. Norwegian satire in the Learned period, 839.8273

For Example of form and period expansion, see English literature, 820

840 FRENCH LITERATURE

May be divided by literary form divisions as given on p. 399 e.g. French drama 842 and if it seems desirable to divide literary form by period following table may be used

- 1 Early French (842-1400)
- 2 Transition period (1401-1500)
- 3 Renaissance (1501-1600)
- 4 Classical period (1601-1715)
- 5 18th century (1716-1789)
- 6 Revolution and Empire (1790-1815)
- 7 Constitutional monarchy (1816-1848)
- 8 19th century (1849-1900)
- 9 20th century (1901-)

e.g. French fiction in the 20th century 843.9

For Example of form and period expansion see English literature 820

849

PROVENÇAL LITERATURE

May be divided by literary form divisions as given on p. 399 e.g. Provençal poetry 849.1 and if it seems desirable to divide literary form by periods following table may be used

- 1 1st period (900-1100)
- 2 Golden age (1101-1300)
- 3 Aftermath (1301-1500)
- 4 Decline (1501-1900)
- 5 20th century (1901-)

e.g. Provençal poetry in the Golden age 849.12

For Example of form and period expansion see English literature 820

9

CATALAN LITERATURE

May be divided by literary form divisions as given on p. 399 e.g. Catalan poetry 849.1 and if it seems desirable to divide literary form by period following table may be used

- 1 1st period (1201-1350)
- 2 2nd period (1351-1450)
- 3 Age of perfection (1451-1500)
- 4 Modern period (1841-1900)
- 5 20th century (1901-)

e.g. Catalan drama in the Age of perfection 849.923

For Example of form and period expansion, see English literature 820

850 ITALIAN LITERATURE

May be divided by literary form divisions as given on p. 399 e.g. Italian letters 856 and if it seems desirable to divide literary form by period following table may be used

- 1 Early Italian (1575)
- 2 Period of classical learning (1376-1492)
- 3 Age of Leo the Tenth (1493-1542)
- 4 Inter 16th century (1543-1585)
- 5 Period of decline (1586-1745)
- 6 Period of renovation (1749-1814)
- 7 Early 19th century (1815-1859)
- 8 Inter 19th century (1860-1900)
- 9 20th century (1901)

e.g. Italian fiction in Early 19th century 853.7

For sample of form and period expansion see English literature 820

859

RUMANIAN LITERATURE

May be divided by literary form divisions as given on p. 399 e.g. Rumanian humor 859.7

9

ROMANSH (Rhetic) LITERATURE

May be divided by literary form divisions as given on p. 399 e.g. Romansch drama 859.92

860 SPANISH LITERATURE

May be divided by literary form divisions as given on p. 399, e.g. Spanish poetry, 861; and if it seems desirable to divide literary form by period, following table may be used

- .1 Early Spanish (-1369)
- .2 Age of imitation (1370-1516)
- .3 Golden age (1517-1700)
- .4 18th century (1701-1800)
- .5 19th century (1801-1900)
- .6 20th century (1901-)

e.g. Spanish drama in 18th century, 862.4

For Example of form and period expansion, see English literature, 820

LATIN AMERICAN LITERATURES

Following is recommended for libraries in Latin American countries, but may also be used elsewhere. National literatures in Spanish language may be separated from Spanish literature within 860 by following method: Latin American literature, prefix "L" before notations, e.g. History of Latin American literature, L860.9; Latin American poetry, L861; Countries may be treated similarly, e.g. Mexican literature, M860; Mexican poetry, M861

If it seems desirable to divide literary form by period, following may be used

- .1 Colonial period and period of struggle for independence (1519-1826)
- .2 19th century before Modernism (1827-1888)
- .3 Modernism Realism (1889-1910)
- .4 Contemporary period (1911-)

e.g. Latin American poetry in Contemporary period, L861.4

For Brazilian literature, see 869

869

PORTUGUESE LITERATURE

May be divided by literary form divisions as given on p 399, e g Portuguese miscellany, 869 8

For Example of form and period expansion, see English literature 820

BRAZILIAN LITERATURE

Following is recommended for libraries in Latin America but may also be used elsewhere Brazilian national literature may be separated from Portuguese literature within 869 by prefixing "B" before notations, e g History of Brazilian literature, B869 09, Brazilian poetry, B869 1

Galician

May be divided like Portuguese literature, 869, e g Galician essays, 869 94

870 LATIN LITERATURE

For Classical literature including both Greek and Latin, see 880

871

LATIN POETRY

Poetry not specifically of one type

Includes Lucretius, Ovid

For Dramatic, epic and lyric poetry, see 872, 873 and 874

872

LATIN DRAMATIC POETRY

Includes Plautus, Terence, Seneca

873

LATIN EPIC POETRY

Includes Virgil

874

LATIN LYRIC POETRY

Includes Catullus, Horace

875

LATIN ORATORY

Includes Cicero, Quintilian

876

LATIN LETTERS

Includes Pliny

877

LATIN SATIRE AND HUMOR

Includes Cato, Martial, Juvenal

878

LATIN MISCELLANY

Includes Caesar, Sallust, Livy, Seneca, Tacitus, Suetonius

879

OTHER ITALIC, MEDIEVAL AND MODERN LATIN LITERATURE (CHURCH LATIN)

Includes literature of Romance languages

879 may be divided by literary form divisions as given on
p. 399, e.g. Medieval fiction, 879.3

880 GREEK LITERATURE

Includes Classical literature (Greek and Latin)

For Modern Greek literature, see 889

881

GREEK POETRY

Poetry not specifically of one type

For Dramatic, epic and lyric poetry see 882-883, 884

882

GREEK DRAMATIC POETRY

Includes Aeschylus, Sophocles, Euripides, Aristophanes

883

GREEK EPIC POETRY

Includes Homer, Hesiod

884

GREEK LYRIC POETRY

Includes Sappho, Pindar, Theocritus

885

GREEK ORATORY

Includes Demosthenes, Lycurgus

886

GREEK LETTERS

Includes Themistocles

887

GREEK SATIRE AND HUMOR

For Comedies of Aristophanes, see 552

888

GREEK MISCELLANY

Includes Herodotus, Thucydides, Xenophon, Plato, Aristotle, Aesop, Plutarch

For Platonic philosophy see 154; Aristotelian philosophy 185

889

HELLENIC GROUP, MODERN GREEK LITERATURE

May be divided by literary form divisions as given on p. 399, e.g. Modern Greek poetry, 889.1

890 LITERATURE OF OTHER LANGUAGES

May be divided like 490-499

891 INDO-EUROPEAN LITERATURES

Includes Indo-Hittite

891.54, .62, .66, .7, .81, .84, .85, .86, .92, .93 may be divided by literary form divisions as given on p. 399, e.g. Irish poetry, 891.621

.1 Indo-Iranian and Indic Literatures

.2 Sanskrit and Old Indic Literatures

.3 Prakrit and Pali Literatures

.4 Modern Indic Literatures

Includes Hindi, Urdu, Bengali, Panjabi, Sindhi

.5 Iranian Literatures

.54 Armenian Literature

.55 Modern Persian Literature

.6 Italo-Celtic and Celtic Literatures

.62 Irish Literature

.66 Welsh Literature

.69 It is recommended that **Basque Literature** be classified in 899.9

.7 Slavic Literature

Includes Russian literature

May be divided by literary form divisions as given on p. 399, e.g. Russian satire, 891.77; and if it seems desirable to divide literary form by periods, following table may be used

1 Old Russian (-1650)

2 Age of classicism (1651-1800)

3 19th century (1801-1900)

4 20th century (1901~)

e.g. Russian fiction in 19th century, 891.733

For Example of form and period expansion, see English literature, 820

.79 Ukrainian Literatures

-
- 891.8 **Windish, Moravian, Slovak, Croatian, Polabian Literatures**
- .81 **Bulgarian Literature**
- .82 **Serbian Literature**
- .84 **Slovene Literature**
- .85 **Polish Literature**
- .86 **Czech (Bohemian) Literature**
- .9 **Baltic Literatures**
 Includes Old Prussian Latvian
- .92 **Lithuanian Literature**
- .93 **Lettish Literature**
- .99 **Other Indo-European Literature**
 Includes Hittite
- .991 **Thraco-Illyrian Literature**
- 892 **SEMITIC LITERATURES**
- 892 1, 2, 3, 4, 49, 5 may be divided by literary form divisions
 as given on p. 399 e.g. Hebrew poetry 892.41
- .1 **Aramaic Literature**
- .19 **Assyrian and Babylonian Literature**
- .2 **Chaldean Literature**
- .3 **Syrian Literature**
- .4 **Hebrew Literature**
- .49 It is recommended that **Yiddish Literature** be classified
 in 838.99
- .5 **Samaritan Literature**
- .6 **Phoenician, Punic, Carthaginian Literature**
- .7 **Arabic Literature**
- .8 **Ethiopian Literature**
 For Hamitic Ethiopian literature, see 893.5
- .9 **Himyaritic (Mineo-Sabean) Literature**

893 HAMITIC LITERATURES

893.1, .2, .3, .5 may be divided by literary form divisions as given on p. 399, e.g. Coptic poetry, 893.21

- .1 Old Egyptian Literature
- .2 Coptic Literature
- .3 Libyan Literature
- .5 Hamitic Ethiopian Literature

894 TUNGUZIC, MONGOLIC, TURKIC, SAMOYED, FINNO-UGRIC AND HYPERBOREAN LITERATURES

- .1 Tunguzic Literature
- .2 Mongolic Literature
- .3 Turkic Literature
- .35 Turkish Proper
- .4 Samoyed Literature
- .5 Finno-Ugric Literature

894.5-894.55 may be divided by literary form divisions as given on p. 399, e.g. Estonian poetry, 894.5451

- .511 Hungarian Literature
- .531 Permian Literature
- .541 Finnish Literature
- .545 Estonian Literature
- .55 Lappish Literature
- .6 Hyperborean (Paleoasiatic) Literatures
- .8 Caucasian and Dravidian Literatures

Caucasic literature was formerly classified in 899.96

895 SINO-TIBETAN, JAPANESE-KOREAN, AND AUSTRO-ASIATIC LITERATURES

May be divided by literary form divisions as given on p. 399, e.g. Chinese fiction, 895.13

- .1 Chinese Literature

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- | | |
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| 895.4 | Tibetan Literature |
| .5 | Himalayan Literature |
| .6 | Japanese Literature |
| .7 | Korean Literature |
| .8 | Burmese Literature |
| .91 | Siamese Literature |
| .92 | Annamese Literature |
| .95 | Munda Literature |
| 896 | AFRICAN LITERATURES |
| .1 | Bushman-Hottentot Literature |
| .3 | Bantu Literature |
| .4 | Guinean Literature |
| .5 | Sudanese Literature |
| 897 | NORTH AMERICAN LITERATURES |
| .1 | Eskimoan Literature |
| .2 | Na-Dene Literature |
| .3 | Algonkian-Mosan Literature |
| .4 | Macro-Penutian Literature |
| .5 | Hokan-Siouan Literature |
| .6 | Macro-Otomanguean Literature |
| .7 | Tarascan Literature |
| .8 | Miskito-Matagalpan Literature |
| 898 | SOUTH AMERICAN LITERATURES |
| | Includes Chibchan, Kechuan, Aymara, Cunza Diaguita, Allen
tiac, Millcayac, Tucano |
| 899 | AUSTRONESIAN LITERATURES |
| | For Austro-Asiatic literatures, see 895 |
| .1 | Papuan Literature |
| .2 | Indonesian Literature |

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- | | |
|-------|--|
| 899.4 | Polynesian Literature |
| .5 | Melanesian and Micronesian (Isolated Islands) Literature |
| .6 | Australian Literature |
| .9 | Other Literatures
Includes Basque literature (formerly classified in 891.69) |
| .96 | It is recommended that Caucasic Literatures be classified in 894.8 |

900 History

POLITICAL SOCIAL CULTURAL

Systematic record of human progress or civilization

For Economic history, see 330.9; Natural history, 574; Biblical history, 220.95; Form divisions 1-8, p. lv, exception in 9 follows:

909 MODERN WORLD HISTORY

Fall of Rome (A.D. 476) to present

For Ancient history, see 930

.82 Twentieth Century World History

910 GEOGRAPHY

Topography or description of earth

Includes discovery and exploration

For Physiography, see 551.4, Human geography, 911; Regional geography, 913-919; Form divisions 1, 5-7, 9, p. lv; exceptions 2, 3, 4, 8 follow:

910.2 **Guidebooks**

Travelers' manuals

.3 **Gazetteers**

Includes geographical or place names (formerly classified in 929.4)

.4 **Voyages and Travels**

Travel by land, sea, air from viewpoint of traveler

.41 **Voyages Around the World**

.45 **Sea Voyages**

Includes shipwrecks, buried treasure, pirates, buccaneers

.8 **Collected Travels**

911 **HUMAN GEOGRAPHY**

Relationship of man to his environment

For Anthropogeography, see 572.9

.2 **Political Geography**

Effect of geographic factors upon structure, growth, relationships of states

Includes historical geography, influence of geographic environment during successive periods of history

.3 **Economic or Commercial Geography**

Adjustment of man to his environment by means of economic activities

912 **ATLASES**

Includes maps, globes

May be divided like 930-999

For Cartography, see 526.8

912.1 **Eastern Hemisphere**.2 **Western Hemisphere****913-919 REGIONAL GEOGRAPHY**

*Description of specific regions, their
peoples, animals, natural products
Includes guidebooks and travelers'
manuals of specific regions*

*For Social history of countries, see countries, e.g. Social history
of England, 942, National customs, 390.9*

913 GEOGRAPHY OF ANCIENT WORLD

It is recommended that Archeology of specific countries be classified in history of countries e.g. Antiquities of France, 944

For Prehistoric Archeology, see 571

914 GEOGRAPHY OF EUROPE**915 GEOGRAPHY OF ASIA****916 GEOGRAPHY OF AFRICA****917 GEOGRAPHY OF NORTH AMERICA****918 GEOGRAPHY OF SOUTH AMERICA****919 GEOGRAPHY OF OCEANIA AND POLAR
REGIONS**

920 BIOGRAPHY

Includes autobiographies, diaries, personal narratives, eulogies, correspondence except that of literary value

Libraries often prefer to arrange individual biographies in 92 or B, and collective biography in 920

When desirable, collective biography may be classified by subject in 921-928 divided like whole classification, e.g. Biographies of botanists, 925.8

Libraries with special subject collections may prefer to classify collective biography with subjects by using form division .092, e.g. Biographies of botanists, 580.92

929 GENEALOGY AND HERALDRY

.1 **Genealogy**

History of descent of persons or families from their ancestors
Includes pedigree tracing, how to write family histories, genealogical forms and blanks

.2 **Family Histories**

Genealogy of specific families

.3 **Genealogical Sources**

Source material from registers, wills, tax lists

.4 **Personal Names**

Includes Christian names, surnames, nicknames

It is recommended that **Geographical or Place Names** be classified in 910.3

.6 **Heraldry**

Includes whole group of duties of heralds, e.g. regulation of public ceremonies, blazoning arms

.7 **Peerage Royalty**

Includes titles of honor, rank, precedence

.71 **Knighthood**

Includes orders, e.g. Knights of Malta, Order of the Garter; decorations

929.8

Armorial Bearings

Includes coats of arms, crests

.9

Flags

Includes banners, standards

930 ANCIENT WORLD HISTORY

Beginning of historic period to A.D. 476

For Modern world history, see 909; Prehistoric times, 571

- 931 It is recommended that **ANCIENT CHINESE HISTORY** be classified in 951
- 932 **ANCIENT EGYPT**
Predynastic period to Persian conquest
For Modern Egypt, see 962
- 933 **ANCIENT HEBREW CIVILIZATION**
Conquest of Canaanites to fall of kingdom
Includes kingdoms of Israel and Judah
- 934 It is recommended that **ANCIENT INDIAN HISTORY** be classified in 954
- 935 **ANCIENT NEAR EAST**
Includes ancient oriental empires, e.g. Sumeria, Chaldea, Assyria, Babylon, Media, Persia, Parthia, Sassanian, or New Persian Empire
- 936 **ANCIENT EUROPEAN TRIBES**
Migratory tribes (Visigoths, Ostrogoths, Vandals, Burgundians, Franks, Angles, Saxons)
For Countries founded by these tribes, see countries, e.g. Anglo-Saxons in England, 942.01
- 937 **ANCIENT ROME**
Founding to fall of Western empire, A.D. 476
- 938 **ANCIENT GREECE**
Colonization to subjugation by Romans, A.D. 323
For Byzantine empire and modern Greece, see 949.5
- 939 **OTHER ANCIENT CIVILIZATIONS**
Includes Asia Minor and the Hittites; Aegean world prior to rise of Greek states; Syria and the Canaanites, Phoenicians, Aramaeans

940 EUROPEAN HISTORY

Fall of Rome (A.D. 476) to present

- 940.1 **Medieval Europe**
 - Rise of new nations to fall of Constantinople, 1453
 - Includes ages of feudalism and chivalry
- .18 **Crusades**
- .2 **Modern Europe**
 - Renaissance to World War I, 1453-1914
- .21 **Renaissance, 1453-1517**
- .22 **Reformation, 1517-1789**
- .27 **Napoleonic Era, 1789-1815**
- .28 **Nineteenth Century Europe, 1815-1914**
 - Congress of Vienna to World War I
- .3 **World War I, 1914-1919**
- .31 **Political History**
 - Includes historical, political, diplomatic, economic causes; results or peace terms, e.g. treaties and conferences, territorial questions, reconstruction
- .32 **Diplomatic History**
 - Includes peace efforts during war, neutrality
- .34-.39 It is recommended that **War History of Specific Countries** be classified in **History of Countries**, e.g. **U. S. in World War I, 973.91**
- .4 **Military History**
 - Includes military intelligence, espionage
- .41 **Ground Organization**
 - Includes armies, corps, divisions or regiments
- .42 **Campaigns and Battles**
- .44 **Aerial Operations**
- .45 **Naval Operations**

- 940.451 Submarine Operations**
Includes antisubmarine operations
- .46 Memorials**
Includes monuments, rolls of honor
- .47 Social Conditions**
Includes prisoners and prisons, medical and sanitary affairs, hospital service, relief activities of Red Cross and similar organizations
- .48 Personal Narratives**
- .49 Illustrative Material**
For Special collections only
- .5 Twentieth Century Europe**
Includes interval between wars
- .53 World War II**
- .531 Political History**
Includes historical, political, diplomatic, economic causes; results or peace terms, e.g. treaties and conferences, territorial questions, reconstruction
- .532 Diplomatic History**
Includes peace efforts during war, neutrality
- .534-.539** It is recommended that **War History of Specific Countries** be classified in **History of Countries**, e.g. **Germany in World War II**, 943.086
- .54 Military History**
Includes military intelligence, espionage
- .541 Ground Organization**
Includes armies, corps, divisions or regiments
- .542 Campaigns and Battles**
- .544 Aerial Operations**
- .545 Naval Operations**
- .5451 Submarine Operations**
Includes antisubmarine operations

- 940.546 Memorials**
Includes monuments, rolls of honor
- .547 Social Conditions**
Includes prisoners and prisons, medical and sanitary affairs, hospital service, relief activities of Red Cross and similar organizations
- .548 Personal Narratives**
- .549 Illustrative Material**
For Special collections only
- .55 Post-war Europe**
For Post-war World history, see 909.82
- 941 SCOTLAND**
Gaelic period to present
- .5 IRISH REPUBLIC (EIRE)**
Early history to present
- .6 Northern Ireland**
Founding (1920) to present
- 942 ENGLAND**
Includes Great Britain, Thames River
- .01 Anglo-Saxon England, c. 1066**
Invasions of early tribes to Anglo-Saxon supremacy
- .02 England under Normans, 1066-1154**
Period of Anglo-Norman feudalism
- .03 Plantagenet England, 1154-1399**
Period of constitutional progress
Includes reign of Henry III
- .04 England under Lancasters and Yorks, 1399-1485**
Period of military conflict Fifteenth century
- .05 Tudor England, 1485-1603**
Reformation period Sixteenth century
Includes reign of Henry VIII

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- 942.055 Elizabethan England, 1558-1603**
 Reign of Elizabeth
- .06 England under Stuarts, 1603-1714**
 Restoration period Seventeenth century
 Includes reign of Charles I, Charles II William and Mary, Anne
- .07 Hanoverian England, 1714-1837**
 Period of political reaction and reform Eighteenth century
 Includes reign of George III
- .08 Victorian England, 1837-1901**
 Period of imperialism, liberalism Nineteenth century
 Includes reign of Victoria
- .082 Twentieth Century England,**
- .083 England and World War I,**
 Includes reign of George V
- .084 England and World War II,**
 Includes reign of Edward VIII, George VI
- .085 Post-war England,**
- .1 London**
- .34 Channel Islands**
 Includes Jersey, Guernsey
- .89 Isle of Man**
- .9 Wales**
- 943 GERMANY**
 Formative period to unification, 1866
 Includes Danube, Rhine Rivers
- .08 Imperial Germany, 1866-1918**
 United empire and its downfall
 Includes Germany in World War I, reign of Frederick III, William II

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- 943.085 German Republic,**
 Period between wars
 Includes presidency of Ebert and Hindenburg
- .086 Third Reich,**
 Nazi Germany under Hitler
 Includes Germany in World War II
- .087 Post-war Germany,**
- .6 AUSTRIA**
- .648 LIECHTENSTEIN**
- .68 TRIESTE**
- .7 CZECHOSLOVAKIA**
- .8 POLAND**
 All periods of Poland's history
- .9 HUNGARY**
- 944 FRANCE**
- .01 Early France, to 987**
 Ancient Celts to Carolingians
- .02 Growth of Royal Power in France, 987-1589**
 Includes Houses of Capet, Valois, Angoulême
- .03 Bourbon France, 1589-1792**
 Period of wars
 Includes reign of Louis XIII XIV XV, XVI
- .04 French Revolution, 1789-1804**
 National assembly to first consulate
 Includes reign of terror
- .05 Napoleonic France, 1804-1815**
 Period of first empire
- .06 French Restoration, 1815-1848**
 Period of discontent
- .07 France's Second Republic and Second Empire, 1848-1870**

944.08 Third French Republic, 1870-1939

Includes France in World War I, problems following war

.081 France and World War II,

Includes dictatorship of Pétain and Laval

.082 Fourth French Republic,

Includes presidency of de Gaulle, Goun, Bidault, Auriol

.36 Paris**.949 Monaco**

Includes Monte Carlo

945 ITALY

Gothic and Lombard kingdoms to united Italy, to 1570

*For Ancient Roman Empire see 937***.09 Modern Italian Kingdom, 1870-1918**

Includes Italy in World War I reign of Victor Emmanuel II-III

.091 Fascist Italy,

Includes Mussolini's regime Italy in World War II

.092 Italian Republic,**.4 San Marino****.6 Rome**

Includes Vatican City

.8 Malta**946 SPAIN**

Includes Pyrenees Mountains

.01 Early Spain

Spain under Romans and Goths, to 711

.02 Moorish Kingdom, 711-1479**.03 Union of Aragon and Castile, 1479-1516**

Expulsion of Moors

Includes reign of Ferdinand and Isabella

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- 946.04 **Spanish Decline, 1516-1598**
 Inquisition period
- .05 **Era of Degeneration in Spain, 1598-1808**
- .06 **Spain under French Control, 1808-1814**
- .07 **Bourbon Restoration in Spain, 1814-1868**
 Period of dissatisfaction and revolt
 Includes reign of Ferdinand VII, Isabella II
- .08 **New Spanish Monarchy, 1868-1931**
 Revolution and second restoration
 Includes reign of Alfonso XII-XIII
- .081 **Second Spanish Republic,**
 Includes Spanish civil war
- .082 **Post-war Spain,**
 Spain under Franco dictatorship
- .7 **Andorra**
- .8 **Gibraltar**
- .9 **PORTUGAL**
- 947 **UNION OF SOVIET SOCIALIST REPUBLICS**
 (RUSSIA)
- Primitive Russia to emancipation of serfs, to 1855
 Includes reign of Ivan the Terrible, Peter the Great, Catherine the Great
- For Moldavian Soviet Socialist Republic, see 949.85; Soviet Central Asia, 958.4*
- .08 **Reform and Reaction in Russia, 1855-1917**
 Development of nationalist state
 Includes reign of Alexander II-III, Nicholas II
- .083 **Fall of Russian Empire,**
 Includes Russia in World War I, Russian revolution, dictatorship of Lenin and Stalin
- .084 **Russia and World War II,**
- .085 **Post-war Russia,**

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- 947.1 It is recommended that **Finland** be classified in 948.95
- .2 **Karelo-Finnish Soviet Socialist Republic**
- .3 **Russian Soviet Federal Socialist Republic**
For Russian Soviet Federal Socialist Republic Siberian regions,
see 957
- .4 **Latvian Soviet Socialist Republic**
- .41 **Estonian Soviet Socialist Republic**
- .5 **Lithuanian Soviet Socialist Republic**
- .6 **Byelorussian Soviet Socialist Republic**
- .7 **Ukranian Soviet Socialist Republic**
- .9 **Georgian Soviet Socialist Republic**
- .91 **Azerbaijan Soviet Socialist Republic**
- .92 **Armenian Soviet Socialist Republic**
- 948 **SCANDINAVIA**
- .1 **Norway**
- .5 **Sweden**
- .9 **Denmark**
- .95 **Finland**
- 949 **OTHER EUROPEAN COUNTRIES**
- .1 **Iceland**
- .2 **Netherlands**
- .3 **Belgium**
- .35 **Luxembourg**
- .4 **Switzerland**
Includes Alps Mountains
- .5 **Greece**
Includes Byzantine Empire, 323-1453
For Ancient Greece, see 938
- 6 It is recommended that **Turkey** be classified in 956.1

949.65

Albania

Includes Saseno

7

Yugoslavia

.75

Bulgaria

.8

Rumania

.85

Moldavian Soviet Socialist Republic

950 HISTORY OF ASIA

Includes modern history of Orient, 1st last

For Ancient oriental empires, see 935

951 CHINA

Includes ancient Chinese history (formerly classified in 931),
Imperial China, Yangtse River

.04 Chinese Republic,

Founding of Republic to Nationalist revolution

*Includes presidency of Sun Yat sen and Yuan Shih K'ai,
Civil War*

.042 Nationalist China,

China under Chiang Kai shek

*Includes struggle between Kounmintang and Communist
party, Japanese occupation of Manchuria, Chinese Japa
nese War*

.05 People's Republic of China

Communist China

.132 Shanghai

.154 Tientsin

.156 Peiping

.24 Taiwan

.25 Hong Kong

.26 Macao

.5 Tibet

.6 Sinkiang

.7 Mongolia

.73 Outer Mongolia

.8 Manchuria

.822 Kwantung

.9 KOREA

-
- 952 JAPAN**
 Early period to end of shoguns and reestablishment of imperial power, to 1868
- .03 Twentieth Century Japan, 1868-**
 Includes Japan in World War I
- .033 Showa Period,**
 Japan under Hirohito
 Includes Japan in World War II Allied occupation
- 953 ARABIA**
 Includes minor Arabian States e.g. Bahrain Kuwait
- .3 Yemen**
- .5 Oman**
- .8 Saudi Arabia**
 Formerly Nejd
- 954 INDIA**
 Early India to English rule to 1765
 Includes Ancient India (formerly classified in 934), Moslem India, European settlements other than British e.g. Portuguese Dutch, French Laccadive Islands
- .08 British India, 1765-**
 English rule and occupation to independence
- .09 Union of India,**
- 1 Bhután**
- .2 Nepal**
- 7 PAKISTAN**
 Includes former territories of Baluchistan East Bengal, North West Frontier West Punjab Sind
- .8 Ceylon**
 Includes Maldive Islands
- 955 IRAN**

956 NEAR EAST

Includes Levant Asia Minor

For Ancient Near East, see 935

.1 Turkey

All periods of Turkey's history

Includes Ottoman Empire (formerly classified in 949.6)

.4 Cyprus**.7 Iraq****.9 Syria and Lebanon****.94 Israel**

Includes former Palestine

.95 Transjordan**957 UNION OF SOVIET SOCIALIST REPUBLICS
ASIATIC REGIONS**

Includes Yakutsk Autonomous Soviet Socialist Republic, Buriat-Mongol Autonomous Soviet Socialist Republic

For European areas of Russian Soviet Federal Socialist Republic, see 947.3

958 MIDDLE EAST**.1 Afghanistan****.4 Soviet Central Asia**

Includes Kazakh Soviet Socialist Republic, Uzbek Soviet Socialist Republic, Turkmen Soviet Socialist Republic, Tadzhik Soviet Socialist Republic, Kirghiz Soviet Socialist Republic

959 FRENCH INDO-CHINA

Includes Associated States of Viet-Nam (Tonking, Annam, Cochin-China), Cambodia, Laos

.1 Union of Burma**.3 Siam****.5 Federation of Malaya****.52 Singapore**

960 AFRICAN HISTORY

961 NORTH AFRICA

- .1 Tunisia
- .2 Libya

962 EGYPT

Includes Nile River

For Ancient Egypt, see 932

- .15 Suez Canal
- .4 Anglo-Egyptian Sudan

963 ETHIOPIA

- .5 Italian East Africa

Includes Eritrea, Italian Somaliland (formerly classified in 967 73)

964 MOROCCO

- .2 Spanish Morocco
- .8 Spanish Sahara Ifni
Spanish Sahara includes Rio de Oro, Sekia el Hamra
- .9 Canary Islands

965 ALGERIA

966 NORTH CENTRAL AFRICA

- .1 French West Africa
Includes Sahara
- .12 Mauritania
- .2 French Sudan
- .25 Upper Volta
- .26 Niger
- .3 Senegal
Includes Dakar
- .4 Sierra Leone

967.82 Tanganyika Territory

Includes regions formerly classified in 967.83-89

**.83-.89 It is recommended that All Regions of Tanganyika Territory
be classified in 967.82**

.9 Mozambique

968 SOUTH AFRICA

Includes Union of South Africa

.1 Bechuanaland

.2 Transvaal

.3 Swaziland

.4 Natal

.5 Orange Free State

.6 Basutoland

.7 Cape of Good Hope

.8 South West Africa

.9 British South Africa

.91 Southern Rhodesia

.94 Northern Rhodesia

.97 Nyasaland

969 ISLANDS OF INDIAN OCEAN

.1 Madagascar

.4 Comoro

.6 Seychelles

.7 Diego Garcia

.81 Ile de la Réunion

.82 Mauritius

.83 Rodrigues

.84 Cocos and Christmas Islands

970 NORTH AMERICAN HISTORY

970.1 **Indians of North America**

971 **CANADA**

.01 **Canada under French Regime, 1497-1763**

Earliest times to English supremacy

.02 **Colonial Canada, 1763-1791**

British conquest to Constitutional Act

.03 **Development of Canada, 1791-1841**

Union of Upper and Lower Canada

.04 **Confederation, 1841-1867**

Struggle for national unity

.05 **Dominion of Canada, 1867-1911**

Canada as Federal State

.06 **Twentieth Century Canada, 1911-**

.1 **British Columbia**

Includes Vancouver Island, Rocky Mountains, Fraser River Valley, Glacier National Park, Selkirk Mountains

.2 **Canadian Northwest**

Includes former territory of Hudson's Bay Company, Prairie provinces, Alaska Highway, Hudson Bay, Hudson's Bay Company, Rupert's Land

.21 **Yukon Territory**

Includes Klondike region

.22 **Northwest Territories**

Includes Canadian Arctic, Baffin Island, Great Bear Lake, Great Slave Lake, Mackenzie River

.23 **Alberta**

Includes Athabasca River, Banff National Park, Jasper National Park

.24 **Saskatchewan**

Includes Saskatchewan River

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- 971.27 Manitoba**
Includes Churchill River, Nelson River
- .3 Ontario**
Includes former Upper Canada, Georgian Bay, Lake Eric, Lake Huron, Lake Ontario, Lake Superior, Thousand Islands
- .3541 Toronto**
- .384 Ottawa**
- .4 Quebec**
Includes former Lower Canada, St. Lawrence River, Gaspé Peninsula, Laurentian Mountains, Saguenay River Valley
- .4281 Montreal**
- .4471 Quebec (city)**
- .5 New Brunswick**
- .6 Nova Scotia Acadia**
Includes Maritime Provinces, Cape Breton Island, Bay of Fundy
- .7 Prince Edward Island**
- .8 Newfoundland**
- .88 St. Pierre and Miquelon**
- .9 Labrador**
Includes Goose Bay
- 972 MEXICO**
- .01 Early Mexico, to 1516**
- .014 Aztecs**
- .015 Mayas**
- .02 Colonial Mexico, 1516-1810**
Discovery to end of Spanish rule
- .03 Independent Mexico, 1810-1822**
Revolutionary period
- .04 First Mexican Empire and Republic, 1822-1845**

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- 972.05 War with United States, 1845-1848**
 I or U S in Mexican War, see 973.62
- .06 Second Mexican Republic, 1848-1861**
 Reform period
- .07 Second Mexican Empire, 1861-1867**
 Europe in intervention in Mexico
 Includes reign of Maximilian and Carlotta
- .08 Mexican Republic Restored, 1867-1911**
 Mexico under constitution of 1857
- .09 Twentieth Century Mexico, 1911-**
 Mexico under constitution of 1917
 Includes revolutionary epoch of coups d'état and civil war
- .1 Northern Mexico**
 Includes Tlaxcala, Nuevo Leon, Coahuila, Durango, Chihuahua, Sonora
- .2 Baja California**
 Includes North territory, South territory, islands
- .3 Central Pacific States**
 Includes Nayarit, Jalisco, Colima, Michoacan
- .4 Interior or Central Mexico**
 Includes Guanajuato, Aguascalientes, Zacatecas, San Luis Potosí, Querétaro, Hidalgo, Tlaxcala, Puebla, Morelos
- .5 Valley of Mexico**
 Includes Mexico (state), Distrito Federal, Mexico City
- .6 Southern Gulf States**
 Includes Veracruz, Tlaxcala, Campeche, Yucatan, Quintana Roo
- .7 Southern Pacific States**
 Includes Guerrero, Oaxaca, Chiapas, Isthmus of Tehuantepec
- .8 Central America**

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- 972.801 **Early Central America, to 1502**
 Pre-Columbian civilization
- .802 **Early Sixteenth Century Central America, 1502-1535**
 Includes discovery, exploration, conquest
- .803 **Colonial Central America, 1535-1821**
 Spanish rule to independence
- .804 **Nineteenth Century Central America, 1821-1900**
 National integration
 Includes attempts at Central American union
- .805 **Twentieth Century Central America, 1900-**
- .81 **Guatemala**
- .8101 **Early Guatemala, to 1502**
 Ancient civilization of pre-Columbian period
- .8102 **Discovery, exploration, conquest, 1502-1535**
- .8103 **Colonial Guatemala, 1535-1821**
 Spanish rule to independence
- .8104 **Republic of Guatemala, 1821-1900**
 Includes establishment of republic
- .8105 **Twentieth Century Guatemala, 1900-**
- .82 **British Honduras**
- .8201 **Early British Honduras, to 1502**
- .8202 **Discovery, Exploration, Conquest, 1502-1535**
- .8203 **Early Colonial British Honduras, 1535-1821**
 Includes settlement
- .8204 **Nineteenth Century British Honduras, 1821-1900**
 Includes independence from Jamaica
- .8205 **Twentieth Century British Honduras, 1901-**
- .83 **Honduras**
- .8301 **Early Honduras, to 1502**
- .8302 **Discovery, Exploration, Conquest, 1502-1535**

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- 972.8303 **Colonial Honduras, 1535-1821**
 - Spanish rule to independence
 - .8304 **Republic of Honduras, 1822-1900**
 - .8305 **Twentieth Century Honduras, 1900-**
 - .84 **El Salvador**
 - .8401 **Pre-Columbian Period, to 1502**
 - Ancient civilization
 - .8402 **Discovery, Exploration, Conquest, 1502-1535**
 - Includes colonization
 - .8403 **Colonial Period, 1535-1821**
 - Spanish rule to independence
 - .8404 **Republic of El Salvador, 1821-1900**
 - .8405 **Twentieth Century El Salvador, 1900-**
 - .85 **Nicaragua**
 - .8501 **Prehispanic Epoch, to 1502**
 - .8502 **Discovery, Exploration, Conquest, 1502-1535**
 - Includes colonization
 - .8503 **Colonial Nicaragua, 1535-1821**
 - Spanish rule to independence
 - .8504 **Republic of Nicaragua, 1822-1900**
 - .8505 **Twentieth Century Nicaragua, 1901-**
 - .86 **Costa Rica**
 - .8601 **Early Costa Rica, to 1502**
 - .8602 **Discovery, Exploration, Conquest, 1502-1535**
 - .8603 **Colonial Costa Rica, 1535-1821**
 - .8604 **Republic of Costa Rica, 1821-1902**
 - .8605 **Twentieth Century Costa Rica, 1902-**
 - .9 **West Indies Antilles**
 - Includes British, Danish, French, Netherlands West Indies
 - .901 **Early History, to 1492**

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- 972.902 **Discovery, Exploration, Conquest, 1492-1608**
 Includes colonization, colonial period
- .903 **European Rivalries, 1608-1801**
- .904 **Nineteenth Century, 1801-1902**
 Includes independence movements, autonomy, national development
- .905 **Twentieth Century, 1902-**
- .91 **Cuba**
- .9101 **Pre-Columbian Cuba, to 1492**
- .9102 **Discovery, Exploration, Conquest, 1492-1514**
- .9103 **First Colonial Period, 1514-1762**
 Includes siege of Havana and English control
- .9104 **Second Colonial Period, 1763-1810**
- .9105 **Third Colonial Period, 1810-1898**
 Includes conspiracy period, reformist period, ten years war, autonomist period, war of independence
- .9106 **American Military Occupation, 1899-1902**
- .9107 **First Cuban Republic,**
- .9108 **Second Cuban Republic.**
- .912 **Havana**
 Includes Isle of Pines (Cuba)
- .92 **Jamaica**
 For Turks and Caicos Islands, see 972.961
- .9201 **Early Jamaica, to 1494**
- .9202 **Sixteenth Century Jamaica, 1494-1607**
 Includes discovery, colonization
- .9203 **European Rivalries, 1607-1801**
 Includes end of Spanish rule, establishment of English civil administration, English occupation
- .9204 **Nineteenth Century Jamaica, 1801-1904**

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- 972.9205 Twentieth Century Jamaica, 1904-**
- .921 Cayman Islands**
 - .93 Dominican Republic**
 - .9301 Pre-Columbian Period, to 1492**
 - .9302 Discovery, Exploration, Conquest, 1492-1608**
 - .9303 European Rivalries, 1608-1801**
 - .9304 Founding of Republic, 1801-1902**
Includes independence, national development
 - .9305 Twentieth Century Dominican Republic, 1902-**
 - .94 Haiti**
 - .9401 Pre-Columbian Period, to 1492**
 - .9402 Spanish Rule, 1492-1625**
 - .9403 Haiti as French Colony, 1625-1804**
 - .9404 Independent Haiti, 1804-1915**
 - .9405 American Occupation,**
 - .9406 Republic of Haiti,**
 - .95 Puerto Rico**
 - .9501 Early Puerto Rico, to 1493**
 - .9502 Sixteenth Century Puerto Rico, 1493-1602**
Includes discovery, early colonial period
 - .9503 European Rivalries, 1602-1804**
 - .9504 Revolutionary Puerto Rico, 1804-1900**
End of Spanish rule
 - .9505 Twentieth Century Puerto Rico, 1900-**
Establishment of U S civil government
 - .96 Bahamas**
Includes New Providence and Nassau, Abaco, Harbour Island, Grand Bahama, Cat Island, Long Island, Mayaguana, Placithra, Exuma, San Salvador or Watling's Island, Acklin's Island, Crooked Island, Great Inagua, Andros Island

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- 972.961 **Turks and Caicos Islands**
 Jamaica dependencies
- .97 **Lesser Antilles**
 Includes Netherlands Antilles
- .971 **Leeward Islands**
 Includes British islands of Antigua, St. Christopher-Nevis, Montserrat; French islands of Guadeloupe, Marie Galante, Les Saintes, Désirade, St. Barthélemy, St. Martin; Netherlands islands of St. Maarten, St. Eustatius, Saba
- .972 **Virgin Islands**
 Includes U. S. islands of St. Thomas, St. Croix, St. John; British islands of Tortola, Virgin Gorda, Anegada, Jost Van Dyke
- .98 **Windward Islands**
 Includes British islands of Grenada, St. Vincent, The Grenadines, St. Lucia, Dominica, Netherlands islands of Curaçao, Aruba, Bonaire
- .981 **Barbados**
- .982 **Martinique**
- .983 **Trinidad**
 Includes Tobago
- .99 **Bermuda**
- 973 **UNITED STATES OF AMERICA**
- .1 **Voyages and Discoveries, to 1607**
 Earliest times to settlement of Jamestown
 Includes all pre-Columbian claims
- .15 **Columbus' Voyages**
- .16 **Spanish and Portuguese Voyages**
 Includes voyages of Vespucci, Ponce de Leon, Balboa, de Soto
- .17 **English Voyages**
 Includes voyages of John and Sebastian Cabot, Hawkins, Drake, Frobisher, Raleigh

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- 973.18 French Voyages**
Includes voyages of Verrazano, Champlain
- .2 Colonial United States, 1607-1775**
Includes Indian wars, Albany Convention of 1754
For Individual colonies or settlements, see colonies, e.g. Settlement of Virginia, 975.5
- .3 Revolution and Confederation, 1775-1789**
- .31 Political History**
Includes causes and results of Revolution
For Financial history see 336.973
- .32 Diplomatic History**
Includes relations with France, Spain, Netherlands, peace negotiations, Treaty of Paris, 1783
- .33 Campaigns and Battles**
- .34 Armies of Revolution**
- .341 English Army**
- .344 American Army**
- .35 Naval History**
Includes privateers
- .36 Celebrations Anniversaries Commemoratives**
- .37 Social History**
Includes prisons, exchange of prisoners, hospitals, medical departments, physicians, nurses
- .38 Personal Narratives**
- .39 Illustrative Material**
For Special collections only
- .4 Constitutional Period, 1789-1809**
Includes administrations of Washington, Adams, Jefferson
- .5 Early Nineteenth Century, 1809-1845**
Includes administrations of Madison, Monroe, John Quincy Adams, Jackson, Van Buren, Harrison, Tyler

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- 973.52 War of 1812**
Includes political, diplomatic, social, military, naval history;
campaigns and battles; Treaty of Ghent
- .6 Middle Nineteenth Century, 1845-1861**
Period of westward migration
Includes administrations of Polk, Taylor, Fillmore, Pierce,
Buchanan
- .62 Mexican War, 1845-1848**
Includes political, diplomatic, social, military, naval history;
campaigns and battles; peace treaty
- .7 War of Secession, 1861-1865**
Includes Lincoln administration
- .71 Political History**
Includes causes, efforts to preserve peace, secession action
of states, results
- .72 Diplomatic History**
Relations with other nations
Includes diplomatic history of Confederate States
- .73 Campaigns and Battles**
- .74 Armies of Civil War**
Includes Union and Confederate armies, State regiments
- .75 Naval History**
- .76 Celebrations Commemorations**
- .77 Social History**
Includes prisons, hospitals
- .78 Personal Narratives**
- .79 Illustrative Material**
For Special collections only
- .8 Later Nineteenth Century, 1865-1901**
Period of reconstruction and civil service reform
Includes administrations of Johnson, Grant, Hayes, Garfield,
Arthur, Cleveland, Harrison, McKinley

- 973.89 Spanish-American War, 21 April-10 December, 1898**
Includes political, diplomatic, social, military, naval history, campaigns and battles, results
- .9 Twentieth Century United States,**
- .91 Early Twentieth Century,**
Includes administrations of Theodore Roosevelt, Taft, Wilson, Harding, Coolidge, Hoover, U S and World War I
- .917 United States and World War II,**
Includes administration of Franklin D Roosevelt
- .92 Post-war United States,**
Includes Truman administration
- 974 NORTHEASTERN STATES**
Includes New England
- .1 Maine**
- .191 Portland**
- .2 New Hampshire**
- .3 Vermont**
- .4 Massachusetts**
- .461 Boston**
- .497 Nantucket Island**
- .5 Rhode Island**
- .52 Providence**
- .6 Connecticut**
- .63 Hartford**
- .68 New Haven**
- .7 New York**
- .71 New York City**
- .72 Suburban New York**
Includes Long Island, Westchester County .
- .738 Catskill Mountains**

974.753 **Adirondack Mountains**.8 **Pennsylvania**.811 **Philadelphia**.9 **New Jersey**975 **SOUTHEASTERN STATES**

Includes the "South," Allegheny Mountains, Appalachian Mountains

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- .66 Southeastern Oklahoma**
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- .7 Arkansas**
- .73 Arkansas Valley Region**
Includes Arkansas River
- .8 Tennessee**
Includes Tennessee River
- .88 East Tennessee**
Includes Great Smoky Mountains and Great Smoky
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- .9 Kentucky**
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.461	San Francisco
.494	Los Angeles
.5	Oregon Includes Pacific northwest
.51	Western Oregon Includes Cascade Mountains
.59	Southeastern Oregon Includes Crater Lake National Park
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.7	Washington
.77	Puget Sound Area Includes Mt Rainier and Mt Rainier National Park
.79	Coastal Area Includes Mt Olympus and Mt Olympus National Park
.8	Alaska Includes Aleutian Islands

980 SOUTH AMERICAN HISTORY

Includes Latin America, Andes Mountains

980.1 **Indians of South America**

981 **BRAZIL**

Includes Amazon River

.01 **Discovery and Colonization, 1500–1534**

.02 **Hereditary Captaincies, 1534–1549**

.03 **Colonial Brazil, 1549–1822**

Period of foreign aggression, administrative and political expansion

.04 **Independent Empire of Brazil, 1822–1889**

.05 **Republic of Brazil, 1889–1930**

.06 **Modern Brazil, 1930–**

.1 **North States**

Includes Acre (federal territory), Amazonas, Pará, Amapá, Rio Branco

.2 **Northeast (Western) States**

Includes northeast (western) and northeast (eastern) combined, Maranhão, Piauí

.3 **Northeast (Eastern) States**

Includes Ceará, Rio Grande do Norte, Paraíba, Pernambuco, Alagoas, Fernando de Noronha

.4 **East (Northern) States**

Includes east (northern) and east (southern) combined, Sergipe, Bahia

.5 **East (Southern) States**

Includes Minas Gerais, Espírito Santo, Rio de Janeiro, Distrito Federal

.6 **South States**

Includes São Paulo, Paraná, Iguaçu (federal territory), Santa Catharina, Rio Grande do Sul

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.02 **Discovery, Conquest, Colonization, 1516-1810**

.03 **Independent Argentina, 1810-1829**

Includes period of Anarchy

.04 **Republic of Argentina, 1829-1861**

.05 **Constitutional Period, 1861-1910**

.06 **Twentieth Century Argentina, 1910-**

.1 **Rio de la Plata Region**

Includes Buenos Aires (province and federal capital), La
Pampa

.2 **Mesopotamian Region**

Includes Santa Fe, Entre Rios, Corrientes, Misiones

.3 **Northeast Region**

Includes Chaco, Formosa

.4 **Northwest Region**

Includes Salta, Jujuy, Catamarca, La Rioja, Tucuman

.5 **Central Region**

Includes Cordoba, Santiago del Estero

.6 **Central Highland Region**

Includes San Juan, Mendoza, San Luis

.7 **Patagonian Region**

Includes Neuquen, Rio Negro, Chubut, Zona Militar de
Comodoro Rivadavia, Santa Cruz, Tierra del Fuego

983 CHILE

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- .06 **Liberal Republic, 1861-1891**
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- .2 **North Chile**
 Includes Coquimbo, Aconcagua, Valparaíso
- .3 **Central Chile**
 Includes Santiago, O'Higgins, Colchagua, Curicó, Talca, Maule, Linares, Nuble, Concepcion
- .4 **Frontier**
 Includes Atacuco, Bio-Bio, Malleco, Cautín
- .5 **South Chile**
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- .6 **Austral Chile**
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.2 Central Departments

Includes Lima, Ancash, Ica, Junin, Huánuco, Huancavelica, Ayacucho

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.102 Colonial Period, 1550-1810

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.103 Independence, 1810-1819

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.104 Republic of Colombia, 1819-1830

Union of New Granada, Venezuela, Quito

.105 Republic of New Granada, 1831-1858

Early centralized system of government

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.106 United States of Colombia, 1863-1886

Federal period: division into states

.107 Republic of Colombia, 1886-

Centralized government

.108 Contemporary Government,**.11 Atlantic Coast Region**

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.12 Pacific Coast Region

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.13 Central Region

Includes Caldas, Tolima, Boyacá, Arauca, Vichada

.14 Cundinamarca

Bogotá

.15 Eastern Region

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- .2 **Western Region**
 Includes Zulia, Falcon, Lara, Yaracuy
- .3 **Central Region**
 Includes Aragua, Carabobo, Miranda
- .4 **Lake Region**
 Includes Apure, Barinas, Portuguesa, Cojedes, Guárico
- .5 **Eastern Region**
 Includes Anzoátegui, Sucre, Nueva Esparta, Monagas
- .6 **Guiana Region**
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.52

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.53

Northern Region

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990 HISTORY OF OCEANIA

991 INDONESIA

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.3 Molucca Islands

.4 Republic of the Philippines

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992 SUNDA

.1 Sumatra

.2 Java and Madura

.3 Bali and Lombok

.4 Timor Archipelago

.5 Andaman and Nicobar Islands

993 MELANESIA

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.11 New Zealand Islands

Includes Auckland, Campbell Antipodes, Bounty Islands

.2 New Caledonia

Includes dependencies, e.g. Isle of Pines, Wallis Islands

.3 Loyalty Islands

Includes Maré, Lifou, Ouvéa

.4 New Hebrides

.5 Solomon Islands

Includes Bougainville, Buka, Guadalcanal, Malaita, San Cristoval, New Georgia, Yasabel, Choiseul, Shortland, Mono, Vella Lavella, Ronongo, Gizo, Rendova, Russell, Florida, Rennell Lord Howe Group, Santa Cruz Islands, Duff Group

- 993.6 Bismark Archipelago**
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- .21 Pitcairn Island**
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- 998 ARCTIC REGIONS**
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998.1

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Law	342	Building industry	692.4
Constructed languages	408.9	Engineering	620.03
Construction		Labor	331.5
Architectural	624	Private law	347.4
Building industry	692	Control	
Canal engineering	627.13	Bibliographic	010
Commodities	622.36	Population	301.323
Industries	338.4	Social	301.152
Economics	341.9	Surfaces	629.143
Consular service	725.1	System	629.24
Consulates		Automobile	332.5
Architecture	725.1	Controlled currency	362.1
Consumer		Convalescent homes	
Banking	332.35	Convection	
Cooperatives	334.5	Heat transmission	536.2
Credit	332.35	Convectors	697.1
Education		Conventions	
Clothing selection	646.3	Political	329
Food selection	641.3	Social	301.152
Household goods		Conversation	
selection	647.1	Elementary education	372.6
Research	658.83	Conversion	
Contagious diseases	616.9	Personal religion	248
Containers		Conveyances	
Paper	676.3	Public health control	614.7
Wood	674.82	Conveyers	621.86
Contemporary painting	759.06	Convict labor	365.65
Contests	793.7	Convicts	
Continental		Criminal law	343
Divide	978.83		

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Discharged	364.8	Sculpture	739.5
Treatment	365.6	Coptic	
Cook		Church	281
Books	641.5	Language	493.2
Islands	996.23	Literature	893.2
Cookery	641.5	Copy	
Esthetics	641.01	Testing	659.13
Special apparatus	641.58	Writing	659.13
Cooks	647.2	Copyright	655.6
Cooling		International	655.63
Systems		Coquimbo	983.2
Air conditioning	697.93	Coral	
Automotive engineering	629.256	Fisheries	639
Towers		Reefs	551.42
Steam engineering	621.19	Corals	
Cooperage	674.82	Paleozoology	563.5
Cooperation		Zoology	593.6
Consumer	334.5	Cordage	
Economics	334	Manufacture	677.7
Employer-employee	658.315	Naval equipment	623.86
Intellectual	001	Cordaites	561.5
International	341	Cordite Ordnance	623.452
Library	021.64	Cordoba	982.5
Museum	069.6	Cordua	677.46
Sociology	301.23	Corinthians N. T.	227.2-.3
Cooperative		Cork	674.9
Cataloging	025.35	Corn	
Credit	332.3	Barley	584.8
Housing	334.1	Field culture	633.1
Management	331.15	Garden culture	635.6
Markets	631.18	Livestock feed	636.085
Production	334.6	Cornet	788.1
Social agencies	361.8	Cornish language	491.6
Societies	334	Cornstalk pulp	676.14
Storage of books	022.4	Cornstarch	664.2
Coos language	497.4	Coronation Customs	394
Copepoda	595.34	Corot, Jean Painting	759.4
Copley, John Painting	759.1	Corporal punishment	
Copper		Criminal law	343.2
Age	571.3	Military science	355.13
Economic geology	553.4	Corporations	
Fertilizers	631.82	Business	658.1
Inorganic chemistry	546.56	Production	338.74
Metallurgy	669.3	Correctional	
Mining	622.34	Courts	364.5
		Institutions	364.7

Correspondence		Counseling—(Continued)	
Autobiographical	920	Instructional	371.394
Commercial	651.7	Pastoral	253.5
Courses	374.4	Counter tubes	539.77
Corrientes	982.2	Counterfeiting	364.13
Corrodentia	595.73	Currency	332.9
Corrosion		Counterpoint	781.4
Tests of materials	620.112	Counterreformation	
Corrupt practices		Church history	270.6
Suffrage	324.27	Counters	Numismatics 737
Corundum	Mining 622.36	Country	
Cosmetic surgery	617.95	Clubs	
Cosmetics		Architecture	728.4
Chemical analysis	543.4	Landscaping	712.7
Manufacture	668.5	Communities	301.35
Public health control	614.3	Dances	793.34
Use	646.73	Homes	Architecture 728.6
Cosmic rays	539.722	Seats	Architecture 728.8
Cosmogony	523.1	County	
Cosmology	113	Government	352
Cost		Libraries	027.42
Accounting	657.4	Couplings	
And prices	338.522	Mechanical engineering	621.82
Finding	657.4	Railroad engineering	625.25
Of living	339.42	Coups d'état	323.2
Costa Rica	972.86	Courses	
Costume	391	Correspondence	374.4
Academic	378.2	Curriculum	375
Design	792.02	Meal	642.6
Theatrical	792.02	Coursing	799.25
Cottages	Architecture 728.6	Court	
Cotton		Reports	
Botany	583.17	English law	346.4
Culture	633.5	U. S. law	345.4
Industry	Economics 338.17	Supreme	347.972
Textiles	677.2	Courts	347.97
Cotylosauria	568.1	Church	262.9
Coulometers	621.37	Correctional	364.5
Council		Domestic relations	364.53
Of		International	341.63
Social agencies	361.2	Juvenile	364.52
Trent	270.6	Local	347.99
Councils		Of prizes	341.36
Adult education	374.93	Provincial	347.98
Counseling		State	347.98
Camp	796.54	Courtship	301.425

Covarrubias Miguel		Credit	
Punting	759 972	Agricultural	332 31
Covenants	239	Banks	332 31
Cover crops		Business management	658 85
Erosion control	631 45	Commercial	332 1
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Crib		Fields	332 3
Fisheries	639 5	Financial economies	332 7
Glass		Instruments	332 77
Agricultural pest	632 58	Insurance	365 87
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Cribs	595 38	Public finance	336 3
Crickets	664 75	Real estate	332 32
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Crift		Credo	783 2
Sulphur	623 522	Cree Language	497 3
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Art	745 5	Cremation	614 6
Elementary education	372 5	Crematories	614 6
Crimberry		Architecture	726 8
Botany	583 6	Crook French Language	447 9
Culture	634 7	Crosts	929 8
Crimes	621 87	Crothism	616 4
Criminal capacity		Crowdwork	746 44
Anthropometric	573 6	Cricks	
Criminals	596	Agricultural pests	632 7
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State	364.13	Crossbreeding Livestock	636.082
Criminal		Crossopterygii	
Anthropology	364.24	Paleozoology	567.4
Identification	364.12	Zoology	597.4
Institutions	364.7	Crossword puzzles	793.7
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Crippled children		Chemical engineering	660.28
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Welfare	362.78	Crustacea	
Croatian		Paleozoology	565.3
Language	491.8	Zoology	595.3
Literature	891.8	Cryogenics	536.56
Croce, Benedetto		Cryometry	541.373
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Crocheting	646.2	Cryptography	652.8
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Paleozoology	568.1	Gazing	133.3
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Crocodylia		Physical chemistry	541.22
Paleozoology	568.1	Table furnishings	642.7
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Cucumbers Culture	635.6	Highway engineering	625.7
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Cuprammonium process		Silviculture	634.95
rayon	677.46	Tools	621.93
Curaçao	972.98	Cuttlefish	594.5
Curb exchanges	332.61	Cuzco	985.3
Curicó	983.3	Cyanamid Fertilizers	631.84
Curium	546.6	Cyanides	
Curling	796.96	Industrial chemistry	661.2
Currents Culture	634.6	Cyanogen	547.8
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		Cycles Business	338.54
		Cyclic change Theory	301.24

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Cycling	796.6	Language	497.5
Cyclones		Dah, Salvador Painting	759.6
Insurance	368.1	Dalton Plan Education	371.394
Meteorology	551.55	Dams Engineering	627.8
Cyclonite Manufacture	662.27	Damselflies	595.73
Cycloparaffins	547.2	Dance	
Cyclops	595.34	Music	785.4
Cyclostomata	597.2	Orchestra	785.4
Cyclotrons	539.73	Music composition	781.63
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Automotive engineering	629.25	National	793.31
Cynicism	183	School	371.89
Cyperaceae	584.8	Dancing	793.3
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Cytology	574.8	Language	439.81
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Debt		Engineering materials	620.112
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Navy	359.99	Detergents	668.1
Dentalium	594.2	Determinants	512.8
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Denver, Colo.	978.883	Manufacture	662.28
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Dictating machines	651.26	Animal	591.43
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Dolmens	571.9	Mine	622.5
Dolomite Mining	622.36	Reclamation	627.5
Dolphins	599.5	Drake, Sir Francis	
Domes		Voyages	973.17
Architectural design	729.3	Drama	
Domestic		Christology	232.99
Animals	636	Collections	808.82
Architecture	728	Freedom	323.44
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Architecture	727.3	Teaching aids	371.33
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Donai Bible	220.5	Literature	894.8
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		Filters Camera	771.3
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		Chemical engineering	660.28

Filtration—(Continued)		Fire (Continued)	
Sewage treatment	628.3	Boats	623.828
Water purification	628.16	Clay refractories	666.72
Finance		Department	352.3
Church	254.8	Detection	
Companies	332.35	Marine systems	623.854
Government department	352.1	Dolls School	371.71
Insurance	368.015	Insurance	368.1
Library	025.11	Prevention	614.84
Military department	355.6	Protection	614.84
Museums	069.6	Civilian	355.232
Private	332	Marine systems	623.854
Public	336	Pumps	621.6
Universities and colleges	378.1	Stations Architecture	725.1
Financial		Welfare work	361.5
Buildings Architecture	725.2	Firearms	
Economics	332	Ordnance	623.4
Exchanges	332.61	Ornamentation	739.7
Management Business	658.15	Fireflies	595.76
Finch Aviculture	636.6	Fireplaces	
Finders Camera	771.3	Heating system	697.1
Fine arts	700	Landscape architecture	717
Fingerprints	573.6	Fireproof construction	693.82
Crime detection	364.12	Fireworks	
Finishing		Customs	394
Leather	675.2	Manufacture	662.1
Metal	671.7	Fire-worship	291.2
Photographic	770.2	Firing Gunnery	623.5
Finite differences		First	
Calculus	517.6	Aid	614.88
Finland	948.95	School instruction	371.76
Finlay color	778.6	Day covers	383.22
Finnic language	494.5	Editions	094
Finnish		Lessons	
Language	494.541	English language	428.2
Literature	894.541	Other languages	482
Finno-Ugric		Fish	
Languages	494.5	Culture	639.3
Literature	894.5	Fertilizers	631.84
Fir		Preservation	664.9
Botany	585.2	Fisheries	639.2
Forestry	634.975	Fishes	
Fire		Palaeozoology	567
Alarms	621.389	Zoology	597
Blight	632.3	Fishing	799.1
		Economy Archeology	571.1
		Industries	639.2

Fishing—(Continued)		Flight— (Continued)	
Industries— (Continued)		Into Egypt	232.92
Economics	338.3	Training	629.126
Tackle	799.1	Records	629.109
Fish-lice	595.34	Flint Mining	622.36
Fission plants	589.7	Flood	
Fissipedia	599.744	Control engineering	627.4
Fittings		Lighting systems	621.32
Building construction	696	Welfare work	361.5
Five-suit bridge	795.41	Floods	
Fixing Photographic	770.2	Agricultural pests	632.1
Flagellated protozoa	593.16	Meteorology	551.573
Flagcolet	788.5	Floors	
Flags	929.9	Building details	695
Flame		Carpenitry	694.2
Coloration		Flora	581.9
Qualitative analysis	544	Flores	989.52
Cutting	671.53	Floriculture	635.9
Throwers	623.445	Florida	
Flanging machinery	621.98	Island	993.5
Flannel	677.6	U. S.	975.9
Flat prints	763	Uruguay	989.52
Flatworms	595.12	Florist business	635.9
Flavor aids	664.5	Flotation methods	
Flavoring extracts	664.5	Ore dressing	622.7
Flax		Flour	
Botany	583.21	Milling	664.72
Culture	633.5	Products	664.75
Fiber textiles	677.1	Flow Hydrodynamics	532.5
Fleas		Flower	
Agricultural pests	632.7	Arrangement	635.96
Zoology	595.775	Gardening	635.9
Fleet		Painting	758
Action Naval warfare	359.91	Shows	635.9
Reserve	359.37	Flowers	
Flemish		Botany	582.13
Language	439.32	Culture	635.93
Literature	839.32	Landscape gardening	716
Painting	759.9493	Palaeobotany	561.121
Flesh-eating mammals	599.74	Flues	697.8
Flies		Fluid flow	
Agricultural pests	632.7	Chemical engineering	660.28
Fishing	799.1	Fluids Mechanics	532
Zoology	595.77	Flukes	595.12
Flight		Fluorescence	535.65
Aerodynamics	629.123	Fluorescent lighting	621.32
Instruments	629.15		

Fluorides		Forage crops	633
Industrial chemistry	661.2	Foraminifera	
Mineralogy	549.4	Paleozoology	563.1
Fluorine		Zoology	593.12
Industrial chemistry	661.9	Forecasting	
Inorganic chemistry	546.12	Business	338.54
Organic compounds	547.8	Weather	551.591
Fluorite Mineralogy	549.4	Foreign	
Fluorspar Mining	622.36	Exchange	332.45
Flute	788.5	Language journalism	070.48
Flux Theory	301.24	Law	349
Fly fungi	589.28	Missions	266
Flying	629.126	Policy	327
Boats	629.133	Trade	382
Fodder	636.085	Zones	387.13
Fog Meteorology	551.572	Foreigners	
Folding cameras	771.3	Readers for English lan-	
Folds Structural geology	551.8	guage	428.64
Folk		Textbooks for English	
Arts	745.3	language	428.24
Dancing	793.31	Foremen	
Psychology	136.4	Business training	658.386
Schools	374.91	Forensic	
Songs	784.4	Ballistics	364.12
Folklore	398	Medicine	340.6
Folk-tales	398.21	Forest	
Follow-up		Ecology	634.94
Personnel management	658.312	Economics	634.92
Fonts	247	Fire protection	634.96
Food	641	Industries Statistics	634.927
Buying	641.3	Management	634.928
Chemical analysis	543.1	Patrol Aircraft use	629.18
Consumer education	641.3	Policy	634.925
Home preparation	641.5	Protection	634.96
Industries Economics	338.47	Resources	
Manufacture	664	Statistics	634.927
Personal hygiene	613.2	Utilization	333.75
Preservation		Utilization	634.98
Commercial	664.8	Forestation	634.956
Home	641.4	Forestry	634.9
Public health control	614.3	Taxonomic	634.97
Selection	641.3	Forge	
Specific foodstuffs	641.6	Shop management	621.7
Foot and mouth disease	636.0896	Work	682
Football	796.33	Forgery	364.16
School	371.74-.75	Currency	332.9
Footwear Manufacture	685.3	Forgetting	154.5

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| Forging | 671.33 | Framing | |
| Formicidae | 595.796 | Concrete masonry | 693.5 |
| Formosa | 982.3 | Wood construction | 694.2 |
| Forms Theory | 512.8 | France | 944 |
| Formularies | 615 | Franciscan Brotherhood | 271.3 |
| Fortification | | Francium | |
| Military engineering | 623.1 | Inorganic chemistry | 546.3 |
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| Forts | | Fraser River Valley | 971.1 |
| Architecture | 725.1 | Fraternal life insurance | 368.36 |
| Military engineering | 623.1 | Fraternities | 371.85 |
| Fortune telling | 133.3 | Fraternity houses | |
| Forums | | Architecture | 728.4 |
| Adult education | 374.24 | Fraud | 364.16 |
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| Foster care | 362.73 | Enterprise | 330.1 |
| Foundations | | Ports and harbors | 387.13 |
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| Fountains | 714 | Of | |
| Fourier | | Art | 323.44 |
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| Series Calculus | 517.2 | Drama | 323.44 |
| Transformations | | Press | 323.44 |
| Calculus | 517.7 | Religion | 323.44 |
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| Fractions | | And Indian wars | 973.2 |
| Elementary education | 372.7 | Canadian literature | 840 |
| Fracture of crystals | 548.84 | Equatorial Africa | 967.2 |
| Fragmentation bombs | 623.451 | Furniture | 749.24 |
| Frames | | Glassware | 748.2 |
| Automotive | 629.24 | Guinea | 966.52 |
| Structural | 624.177 | Guiana | 988.2 |
| | | Horn | 788.4 |

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Indo China	959	Coal	662.625
Language	440	Heating	697.6
Literature	840	Marine	623.874
Painting	759.4	Petroleum	665.55
Philosophy	194	Steam generation	621.182
Somaliland	967.71	Fugue Music	781.4
Sudan	966.2	Fulminate Ordnance	623.452
West Africa	966.1	Functional	
West Indies	972.9	Analysis Calculus	517.1
Frequency		Architecture	724.9
Measurement		Business organization	658.16
Sound waves	534.4	Centers City planning	711.55
Meters		Representation	324.22
Electrical engineering	621.37	Wholesalers	658.86
Fresco painting	751	Fundamental	
Fresh-water fisheries	639.21	Particle accelerators	539.73
Freud school		Radiations	539.72
Psychoanalysis	131.34	Funeral rites	
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Of the library	020.6	Judaism	296.4
Society	289.6	Religious ordinances	265.8
Frisian		Sermons	252.9
Cattle	636.23	Fungi	589.2
Language	439	Agricultural pests	632.4
Literature	839	Algae-like	589.25
Frobisher, Sir Martin		Beetle	589.23
Voyages	973.17	Club	589.22
Frogs		Cup	589.23
Culture	639.37	Fly	589.28
Palaeozoology	567.8	Imperfecti	589.24
Zoology	597.8	Little cup	589.23
Frog's-bit	584.7	Sac	589.23
Frontal index		Slit	589.23
Anthropometry	573.6	Yeast	589.23
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Frost Meteorology	551.573	Agricultural use	632.95
Frozen foods	664.85	Fun	
Fruit		Craftsmanship	687.1
Culture	634	Dressing	675.3
Juices	663.63	Farming	636.9
Fucus	589.45	Industries	675
Fuel		Economics	338.37
Oil Manufacture	665.53	Furnaces	
Systems Automotive	629.253	Metallurgical	669.8
Technology	662.6	Steam engineering	621.183
		Warm air	697.3

Furniture		Game shooting	799.2
Artistic	749	Games	
Ecclesiastic	247	Aquatic	797.2
Office	651.2	Athletic	796
Period	749.2	Ball	796.3
Library	022.9	Card	795
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Fuselages	629.143	Ice	796.96
Fuses		Literary	793.7
Manufacture	662.28	Mathematical	793.7
Ordnance	623.454	Olympic	796.48
Future life		Party	793
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GR-M	678.72	Rays Nuclear physics	539.72
GR-S	678.72	Gangs	364.14
Gables		Ganoidei	597.4
Architectural design	729.3	Garages	
Gadolinium		Private Architecture	728.9
Inorganic chemistry	546.6	Public	
Cache		Administration	388.3
Language	491.6	Architecture	725.3
Scotch language	491.6	Garbage collection	628.4
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Gages	621.99	Cities Planning	711.58
Gauging Beverages	663	Crops	635
Galactic system	523.1	For future Landscape architecture	717
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Galatians N. T.	227.4	Gardening	635
Galena Mineralogy	549.3	Gardens	
Galician		Botanic	580.7
Language	469.9	Landscape design	712.62
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Galla language	493.5	See also specific types	
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Inorganic chemistry	546.66	Garments	
Metallurgy	669.7	Home making	646.4
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Galorn	668.43	Garnet	
Galvanometers	621.37	Economic geology	553.8
Gambia	966.51	Mineralogy	549.6
Gambier Is.	996.22	Mining	622.36

Garpikes	597.4	Caspé Peninsula	971.4
Gay Plan Education	371.394	Gasteromycetes	589.22
Gas		Gastritis	616.3
Analysis		Gastroenterology	616.3
Qualitative	544	Gastropoda	
Quantitative	545.7	Palcozoology	564.3
Bombs	623.451	Zoology	594.3
Cylinders	661.9	Gastrotricha	595.18
Engines	621.42	Gate houses Architecture	728.9
Fuels	662.67	Gates	
Heating	697.6	Landscape architecture	717
Industry Economics	338.27	Gauguin, Eugène	
Manufacture	665.77	Painting	759.4
Natural		Prints	761
Extraction	622.338	Gaulish language	491.6
Technology	665.7	Gazetteers	910.3
Oil Manufacture	665.53	Gear Naval	623.86
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Ordnance	623.445	Automotive engineer-	
Properties	665.72	ing	629.24
Shells	623.451	Marine engineering	623.873
Storage	665.74	Mechanical engineering	621.83
Technology	665.7	Geese Husbandry	636.59
Testing	665.72	Geiger-Mueller Counters	539.77
Transportation	665.74	Gelatin Manufacture	668.3
Treatment	665.73	Gemara	296.1
Turbines Aircraft	629.14353	Gems	
Utilities Economics	338.39	Economic geology	553.8
Utilization	665.75	Engraving	736.2
Welding	671.522	Mining	622.38
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Equilibrium properties	533.12	Sources	929.3
Kinetic theory	533	General	
Liquefied industrial	661.9	Semantics	190
Mechanics	533	Works	000
Mine	622.4	Generators	
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Thermodynamic prop-		Electrical	621.313
erties	536.44	Radio	621.3843
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Gasoline		Genetic	
Engines Automotive	629.25	Psychology	136
Manufacture	665.53	Theory	301.24
Tractors	631.37	Genetics	575.1
		Animal	591.15

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Plant	581.15	Economic	553
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Female	618	Physical	551
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Genius	151.1	Structural	551.8
Genocide	341.4	Geometrical optics	535.3
Genotypes	575.12	Geometry	513
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Gentile, Giovanni		Euclidian	513
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Geochemical methods		Non-Euclidian	513.8
Mining prospecting	622.1	Philosophy	513.01
Geochemistry	551	Plane	513.1
Geodesy	526	Problems	516.9
Physical	526.7	Projective	516.5
Geodetic		Solid	513.3
Astronomy	526.6	Geomorphology	551.4
Azimuth	526.6	Geon	678.73
Data	526.2	Geo-navigation	623.892
Latitude	526.6	Geophysical methods	
Longitude	526.6	Mining prospecting	622.1
Operations	526.2	Geophysics	551
Refraction	526.38	Geo-politics	320.1
Surveying	526.3	Geography	975.8
Geographic		Georgian	
Names	910.3	Bay	971.3
Statistics	314-319	Furniture	749.22
Geography	910	Language	494.8
Biblical	220.91	Republic	947.9
Commercial	911.3	Geothermal methods	
Economic	911.3	Mining prospecting	622.1
Elementary education	372.83	Geraniales	583.21
Historical	911.2	Geraniums	635.93
Human	911	Geriatrics	618.97
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Regional	913-919	Cattle	636.23
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Geology		Literature	830
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Literatures	839	Glandular processes	
Germanium		Animal	591.14
Inorganic chemistry,	546.5	Human	612.4
Metallurgy	669.7	Glass	
Germany	943	Building material	691.6
Germination		Decoration	748.6
Plant embryology	581.3	Engineering material	620.14
Gerontology	618.97	Fiber textiles	677.5
Gerrymandering	328.33	Industries Economics	338.27
Gestalt psychology	150.19	Manufacture	666.1
Gestures Use in speaking	808.52	Sand Mining	622.36
Geulincx, Arnold		Glasses Fitting	617.7
Philosophy	199.492	Glassware	748
Gez language	492.8	Glaucoma	617.7
Ghosts	133.1	Glazing Fur dressing	675.3
Gibraltar	946.8	Gliders	629.1333
Gift tax	336.276	Gliding	
Gifted children		Acrodynamics	629.123
Education	371.95	Sport	797.5
Psychology	136.76	Globes	912
Gigantostroma	595.39	Glockenspiel	789.6
Ginkgo	585.7	Gloria in excelsis	783.2
Ginkgoaceae	585.7	Glossingia	561.7
Ginkgoales		Glossopterus	561.5
Botany	585.7	Glove making	685
Paleobotany	561.5	Glucose Manufacture	664.1
Ginseng Culture	633.88	Glucosides	
Giotto de Bondone		Organic chemistry	547.92
Painting	759.5	Glue Manufacture	668.3
Gilbert Is.	996.81	Glycerine Manufacture	668.2
Gill, Erick Prints	761	Glycerol	
Gilyak language	494.6	Organic chemistry	547.92
Gin	663.5	Glycogen	
Giraffes	599.73	Organic chemistry	547.92
Girder Bridges	624.2	Gnats	595.77
Girders		Gnetaceae	585.1
Structural engineering	624.177	Gnetales	585.1
Girl Scouts	369.4	Gnosticism	189
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Gizo Is.	993.5	Goats	599.73
Glaciation	551.31	Husbandry	636.39
Glacier National Park	971.1	Milk	637.17
Glaciers	551.31	Gobang	794.2
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Animal	591.44	Gods	291.2

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Goiter	616.4	Buildings Architecture	725.1
Gold		Colonial	325.31
Coast	966.7	Corporations	338.74
Economic geology	553.4	Federal	321.02
Inorganic chemistry	546.56	Forms	321
Metallurgy	669.22	Functions	322
Mineralogy	549.2	Loans	336.3
Mining	622.342	Local	352
Sculpture	739.2	National	321.02
Standard	332.42	Non-representative	321.01
Golden algae	589.48	Political science	320
Goldfish Culture	639.37	Publications	015
Goldsmiths	739.2	Regulation of prices	338.526
Golf	796.35	Representative	321.01
Gond language	494.8	School	371.5
Gonorrhea	616.95	Securities	336.3
Good		Social agencies	361.6
Offices		Supervision of libraries	021.81
International law	341.6	Unitary	321.02
And civil	210	Gova, Francisco	
Will Accounting	657.3	Etchings	767
Goose Bay	971.9	Painting	759.6
Goosefoot	583.91	Grace Theology	234.1
Gourmets	641.01	Graces	
Gordius	595.13	Mythology	292
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Gothic		Gradation	551.3
Architecture	723.5	Air sphere	551.37
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Kingdom	945	Water	551.35
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Literature	839	Highway	625.7
Painting	759.02	Railroad	625.11
Sculpture	734.2	Gradual music	783.2
Gouache	751	Graduate study	378.15
Gourd	583.57	Graham Land	999
Gout	616.46	Gran	
Government		Crops	633.1
Administration	350	Industries Economics	338.17
U. S.	353	Graminales	584.8
Other countries	354	Gramineae	584.8
Agency libraries	027.65	Grammar	
Aid to libraries	021.8	Comparative linguistics	415
And private enterprise	322	Elementary education	372.6
Bonds	336.3	English language	425
Branches Powers	321.01		

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Other languages	—5	Forest utilization	634.99
Schools	372.242	Land economics	333.74
Grahd		Greasing Motor vehicles	629.287
Bahama Is.	972.96	Great	
Canyon National Park	979.1	Bear Lake	971.22
Operas	782.1	Books Program	374.22
Granite		Britain	942
Economic geology	553.5	Inagua Is.	972.96
Quarrying	622.35	Lakes	977
Graphic		Liverworts	588.3
Arts industries	655	Plains	978
Methods Calculus	517.6	Slave Lake	971.22
Statics		Smoky Mts.	976.88
Mechanics of solids	531.2	National Park	976.88
Graphite		Greco, El Painting	759.6
Industrial chemistry	662.92	Greece	
Mining	622.33	History	
Refractories	666.72	Ancient	938
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Graptolites	563.5	Greek	
Grapefruit Culture	634.3	Architecture	722.6
Grapes		Church under Moslems	270.5
Botany	583.27	Language	480
Culture	634.8	Literature	880
Grasses		Mythology	292
Botany	584.8	Orthodox Church	281.9
Culture	635.93	Painting	759.01
Pasture	633.2	Religion	292
Grasshoppers		Sculpture	733
Agricultural pests	632.7	Green	
Zoology	595.72	Algae	589.47
Gravel		Manures	631.87
Economic geology	553.6	Greenback Party	329.8
Mining	622.36	Greenhouses	635.9
Gravimetric methods		Greenland	998.2
Mining prospecting	622.1	Greens Culture	635.4
Quantitative analysis	545	Greeting card art	741.67
Gravitation	526.7	Gregorian chants	783.5
Gravity		Grenada	972.98
Acceleration		Grenades	623.451
Mechanics of solids	531.2	Grenadines	972.98
Methods Ore dressing	622.7	Gndiron system	
Physical geodesy	526.7	City planning	711.41
Physics	530.1	Grievances	
Gravure	655.3	Personnel management	658.315

Grinding		Guerrero	972.7
Chemical engineering	660.28	Guana	
Flour milling	664.72	British	988.1
Metal manufacture	671.35	French	988.2*
Tools	621.92	Netherlands	988.3
Woodworking	674.43	Guidance	
Gross receipts tax	336.271	Educational	371.422
Grosz, George		Vocational	371.425
Painting	759.3	Guidebooks Travel	910.2
Grottoes Physiography	551.44	Guided missiles	623.451
Ground		Guild system	338.6
Forces		Guinea	
Military science	356	French	966.52
Pines	587.9	Portuguese	966.57
Services		Guinean	
Military science	356.9	Language	496.4
Group		Literature	896.4
Annuities	368.37	Guineas Husbandry	636.59
Hospitalization	368.38	Guitar	787.61
Life insurance	368.36	Gujarati language	491.4
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Songs	784.66	Photography	773
Theater	792	Gums and resins	
Theory	512.86	Forest products	634.986
Growing Crops	631.5	Industrial chemistry	668.4
Grunewald, Matthias		Organic chemistry	547.92
Painting	759.8	Gums and teeth	617.6
Guadalupe Is.	993.5	Gun.	
Guadeloupe Is.	972.971	Carriages	623.43
Guará	989.21	Factories	359.7
Guam	996.7	Mounts	623.43
Guanajuato	972.4	Gunnery	623.5
Guano	631.86	Gunpowder Manufacture	662.26
Guaporé		Guns	
Federal Territory	981.7	Hunting	799.2
Guaranteed wage	331.22	Military	623.4
Guardi, Francesco		Sporting	799.31
Painting	759.5	Gunsmithing	683
Guárico	987.4	Garage language	492.8
Guatemala	972.81	Gustatory sensation	152*
Guava Culture	634.4	Gutta-percha	678.6
Guayas	986.63	Guttiferales	583.16
Guayule	678.6	Gymnasiums	
Guernsey *	942.34	Architecture	725.8
Cattle	636.22	School	371.62

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Palaeobotany	561.5	Literatures	893
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Gynecology	618	Hamster Husbandry	636.9
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Gypsum		Forging	682
Economic geology	553.6	Lever Automotive	629.24
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		Handcrafts	745.5
Habakkuk O. T.	224.9	Handicapped	
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Inorganic chemistry	546.28	Employment	331.59
Hagadah	296.1	Welfare service	362.4
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Hagfishes	597.2	Production	338.6
Haggai O. T.	224.9	Handwriting	652.1
Hague court of arbitration	341.63	Character analysis	137.7
Haida language	497.2	Crime detection	364.12
Hail	551.573	Elementary education	372.51
Agricultural pests	632.1	Happiness Pursuit	323.4
Insurance	368.1	Hebrew Language	492.8
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Fiber textiles	677.3	Cities Planning	711.45
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Anthropometry	573.6	Military engineering	623.1
Hairdressing	646.74	Engineering	627.2
Costume	391	Harbors	
Haiti	972.94	City planning	711.7
Halakah	296.1	Inland transportation	386.8
Halftones Printing	655.32	Ocean transportation	387.1
Half-tracks	623.43	Harbour Is.	972.96
Halibut Fisheries	639.27	Hard of hearing	
Halides Mineralogy	549.4	Education	371.912
Halite Mineralogy	549.4	Hardness	
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Heraldry	929.6	guage	491.99
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Polishing		Polyisobutylene	678.73
Metal manufacture	671.72	Polymerization	
Wood finishing	698.3	Organic chemistry	547.013
Political		Synthetic rubber manu- facture	678.722
Bosses	329.02	Polymers	
Clubs		Organic chemistry	547.92
Architecture	728.4	Polymorphism	
U. S.	329.8	Crystallography	548.3
Customs	394	Polynesia	996
Ethics	177	Polynesian	
Geography	911.2	Language	499.4
History	900	Literature	899.4
Machines	329.02	Polyolefin plastics	668.423
Order and Christianity	261.7		

Polyps Hydroid	593.7	Porcupines	599.32
Polypodiaceae	587.3	Porifera	
Polysaccharides		Palaeozoology	563.4
Organic chemistry	547.92	Zoology	593.4
Polyvinyl		Porpoises	599.5
Alcohol linear poly-		Port	
mer plastics	668.423	Charges	
Ester linear polymer		Marine transportation	387.11
plastics	668.423	Cities City planning	711.45
Polyzoa	594.7	Engineering	627.3
Ponapé Is.	996.6	Guides	
Ponce de León, Juan		Marine transportation	387.11
Voyages	973.16	Regulations	
Pond scum Botany	589.47	Marine transportation	387.11
Ponics Husbandry	636.1	Portal to portal pay	331.22
Ponta Porã Federal Ter-		Porter	663.4
ritory	981.7	Portfolios Art	704.94
Pontoon Bridges	624.8	Portinari, Beatrice	
Pools		Painting	759.98
Landscape architecture	714	Portland, Me.	974.191
Poor		Portraits	
Little Sisters of the	271.9	Miniature Painting	757
Welfare services	362.5	Painting	757
Poplar Forestry	634.972	Photography	778.9
Popoloca language	497.6	Ports	
Poppies	583.12	Free	387.13
Popular		Individual	387.12
Astronomy	523	Inland	386.8
Songs	784.61	Ocean	387.1
Population		Portulacaceae	583.15
Balance	301.32	Portugal	946.9
Characteristics	312.9	Portuguesa	987.4
Composition	301.323	Portuguese	
Control Eugenics	301.323	Furniture	749.26
Decrease	312.8	Guinea	966.57
Distribution	312.9	Language	469
Social problem	301.46	Literature	869
Increase	312.8	Philosophy	196
Mobility	312.8	Positional astronomy	526.6
Quality	301.323	Positrons	
Theories and problems	301.32	Nuclear physics	539.72
Transfer	325.21	Posology	
Populist Party	329.8	Veterinary medicine	636.0895
Porcelain		Post	
Ceramics	738.2	Classical Latin Lan-	
Enamels Manufacture	666.2	guage	477.03
Manufacture	666.3		

Post—(Continued)		Powder metallurgy	671 37
Office Department	353 4	Powdery mildews	589 23
Offices Architecture	725 1	Power	
Postage stamps	383 2	Factor meters	621 37
Postal		Machinery	631 37
Communication	353	Measurements	
Savings banks	332 22	Electricity	621 37
Services	353 1	Plants	
Systems	383 4	Aircraft	629 1435
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Poster		Casualty insurance	368 56
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Work		Steam	621 19
Elementary education	372 5	Transmission	
Posters Advertising	659 134	City planning	711 8
Posting Bookkeeping	657 2	Machinery	621 8
Post-Maxim socialism	335 5	Yachts	623 824
Post-Nicene church	251 4	Practical nurses	610 73
Postoperative care	617 9	Practical schools	370 73
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Posture	613 7	Pragmatic logic	164
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Salt Mining	677 36	Principles Physiography	551 45
Chloride Fertilizers	631 53	Print	
Potassium		Image	491 3
Hydroxide		Literature	491 3
Industrial chemistry	661 2	Prayer	264 1
Inorganic chemistry	546 3	Blessings	264
Potatoes Culture	635 2	Meetings	264
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Potentiometric methods		Apocrypha	229
Quantitative analysis	545 3	Personal	245
Pottery	984 1	Superstitions	398 3
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Marks	738	Preaching	251
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Ceramics	738 3	Precedence of rank	929 7
Manufacture	666 3	Precious	
Pouched mammals	599 2	Metals	669 2
Poultry		Sculpture	739 2
Houses Architecture	728 9	Stone industries	
Husbandry	636 5	Economics	338 27
Mature	631 86	Stones Carving	736 2
Poussin Nicolas		Economic geology	553 8
Painting	759 4		

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Engraving	736.2	Atmospheric	551.54
Mining	622.38	Cookery	641.58
Precipitation Meteorology	551.573	Hydrostatics	532.2
Precise spirit leveling	526.36	Vapor	533.12
Precision drawing	744	Prestidigitation	793.8
Predation		Preventive	
Animal ecology	591.5	Medicine	614
Predestination and free will	234	Veterinary	636.0894
Predictions Superstitions	398.3	Police work	364.4
Preferential tariff	337.9	Price	
Pregnancy	618	Determination	338.52
Prehistoric		Levels	338.528
Art	571.7	Movements	338.528
Man	571	And money	332.41
Shelter	571.8	Prices	
Structures	571.9	Economics	338.5
Pre-marital sex relations	301.424	Government regulation	338.526
Preoperative care	617.9	Interrelationship	338.522
Preparation for marriage	301.426	Prickly pear	
Preparatory schools	373	Agricultural pest	632.58
Presbyterian Church	285	Priesthood	
American	285.1	Comparative mythology	291
British Empire	285.2	Priests	253
Presbyterianism	285	Primates	324.23
Presentation of Christ in temple	232.92	Primary	
Preserving	664.83	Batteries	621.35
President		Schools	372.24
U. S. government	353.03	Primates	599.8
Presidential campaigns		Pumers Manufacture	662.28
U. S.	329.01	Primitive	
Pre-Socratic philosophy	182	Church	281
Press	070.1	Painting	759.01
And state	070.13	Sculpture	732.2
Associations	070	Society	572.7
Books	015	Primrose	583.67
Censorship	070.13	Primulaceae	583.67
Freedom	323.44	Primulales	583.67
Influence	070.1	Prince	
Laws	070.13	Charles Foreland	998.1
Pressed glass	748.2	Edward Is.	971.7
Presses Hydraulic	621.2	Princes Education	371.96
Pressing		Principe	966.99
Metal manufacture	671.33	Print making	760
		Printing	655.1
		Elementary education	372.5
		Industry	655.1-3

Printing— (Continued)		Prisons	365 3
Library	025 12	Architecture	725 6
Materials Photography	771 5	Libraries	027 66
Music	781 98	Military	355 7
Paper Manufacture	676 2	Nursing	610 733
Photographic method	770 2	Special	365 4
Plants Management	655	Private	
Presses		Duty nursing	610 732
History	655 4	Enterprise and govern-	
Private	094	ment	322
Processes	655 3	Immune	332
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Telegraphy	621 382	Law	347
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Collections	769	Press books	094
Library treatment	025 177	Social agencies	361 7
Priorities Architecture	726 7	Privatizing	
Priorities		Maintain warfare	341 36
Industrial mobilization	355 26	Privileges	623 521
Prison		Price fighting	796 93
Chronics	365 66	Prices	
Discipline	365 6	Of war	341 36
Education	365 66	School	371 53
Hospitals	365 66	Probability	519
Inmates Employment	365 65	History	519 1
Labor	365 65	Philosophical founda-	
Laboratories	365 66	tions	519 1
Management	365	Proba	364 6
Punishment	365 6	Juvenile	364 63
Recreation	365 66	Problem	
Schools	365 66	Children Education	371 93
Social work	365 66	Method Teaching	371 36
Systems	365 2	Problems	
Welfare work	365 66	Elementary education	372 7
Prisoners		Proboscidea	599 61
Classification	365 6	Process color printing	655 32
Employment	365 65	Processionals Customs	394
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Imaging/printing	365 6	Procurement Military	355 8
Of war	355 1	Product	
International law	341 33	Research	659 93
Photographing	365 6	Simplification	659 51
Political	365 4	Standardization	659 51
Reception	365 6	Producer gas	
Release	365 6	Manufacture	665 77
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Production		Promissory notes	332.77
Agricultural	338.1	Promotion	
Control Economic	338	Personnel management	658.312
Factory	658.51	School administration	371.28
Cooperative	334.6	Pronunciation	
Credit Corporation	332.31	English language	421.5
Economics	338	Musical voice training	784.93
Factory management	658.5	Other languages	—15
Freedom	338	Proofreading	655.2
Large-scale	338.8	Propaganda	
Organization	338.7	Social control	301.152
Planning	338	Propagation	
Systems	338.6	Crop production	631.5
Professional		Radio waves	621.3841
Education	378.99	Propane gas	
Nurses	610.73	Manufacture	665.77
Services Economics	338.46	Propellants	
Professions Writing	808.06	Manufacture	662.26
Profiles		Ordnance	623.452
Military	355.3	Propellers	
Naval	359.3	Airplane	629.1436
Profit and loss		Marine	623.873
Accounting	657.3	Property	
Program notes Music	780.15	In war	341.32
Progress Theory	301.24	Personal Private law	347.3
Progressive		Real Private law	347.2
Party of 1912	329.6	Right of	323.4
System Prisons	365.2	Tax	
Teaching	371.36	Classified	336.21
Prohibited books	098	General	336.21
Prohibition party	329.8	Personal	336.23
Project method		Real	336.22
Teaching	371.36	Prophecies	
Projectiles	623.451	Bible	220.15
Motion	623.53	Messianic	232.1
Projection		Occult	133.3
Photographic	778.2	Propietic books	
Tests	137.8	Bible	224
Projective geometry	516.5	Pseudepigrapha	229.9
Projector		Propiets Minor	224.9
Screens	778.2	Propionate cellulose plas-	
Teaching aid	371.335	tics	668.44
Projectors	778.2	Proportion Drawing	741.4
Proletariat		Proportional representa-	
Economic class	323.3	tion	324.22
Social status	301.44	Proprietary libraries	027.2
Prometheum	546.6		

Proprietorship		Protura	595.71
Business ownership	658.1	Provençal	
Propulsion		Language	449
Machinery	623.87	Literature	849
Shafting		Proverbs	
Marine engines	623.873	Folklore	398.9
Proslavery	326	O. T.	223.7
Prosobranchia	594.3	Providence, R. I.	974.52
Prosody	808.1	Provincial court system	347.98
Prospecting		Proving grounds	359.7
Aircraft use	629.18	Provost Marshal	355.13
Economic geology	553	Psalm O. T.	223.2
Mining	622.1	Commentaries	223.6
Petroleum mining	622.338	Liturgical use	223.5
Prostatitis	616.6	Metrical versions	223.5
Prosthetic dentistry	617.6	Pseudepigrapha Bible	229
Prostitution	301.424	Pseudoneuroptera	595.73
Proteacea	583.93	Pseudonymous works	
Proteales	583.93	Bibliographies	014
Protective		Pseudopsychology	133-135
Coloration	591.5	Pseudoscorpiones	595.4
Devices		Psilophytales	561.7
Aircraft	629.144	Psilophyton	561.7
Electric	621.328	Psocids	595.73
Protem		Psychiatric nursing	610.736
Fiber textiles	677.47	Psychiatry	616.89
Plastics	668.43	Psychic phenomena	133.93
Synthesis		Psychical research	133.07
Plant physiology	581.13	Psychic analysis	131.34
Proteins		Schools	131.34
Organic chemistry	547.92	Psychological	
Proterozoic era	551.71	Research	150.72
Protestant		Tests	151.2
Brotherhoods	271.8	Warfare	355.42
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Inorganic chemistry	546.6	Application	150.13
Protons	539.72	Applied	150.13
Protoplasm	576.2	Character	137
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Prototheria		Clinical	131.3
Protozoa		Comparative	151.3
Paleozoology	593.1	Differential	136-139
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Protozoology	593.1		

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Evolutionary	136.3
Experimental	150.72
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Folk	136.4
Genetic	136
Gestalt	150.19
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Infant	136.71
Of	
Music	781.1
Salesmanship	658.85
Pastoral	253.5
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Rational	150.1
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Study and teaching	150.7
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Psychosomatic medicine	616.08
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Botany	587
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Pterobranchia	596
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Accounting	657.6
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Address systems	621.389
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Domann	333.72
Education	379.1
Administration	379.15
Facilities	
Centralization	379.175
Federal	
Aid	379.12
Control	379.151
Supervision	379.151
Financial administration	379.11
History	379.4-.9
Laws	379.14
Legislation	379.14
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Administration	379.153
Organization	379.153
Support	379.13
Organization	379.15
Rural areas	379.173
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Administration	379.152
Aid	379.12
Organization	379.152
Textbook control	379.156
Elementary education	379.17
Expenditures	336.39
Fêtes	791
Finance	336
In specific countries	336.4
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Department	352.4
Nursing	610.73†
Veterinary medicine	636.0894
Housing Authority	332.32
Institutions of higher learning	379.16
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Libraries	027.4
Branches	027.42
Lighting systems	
Design	621.32
Opinion Social control	301.152
Parks	
Landscape design	712.5
Recreational facilities	712.54

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Property sale Revenue	336.12	Marine engineering	623.873
Relations	659.111	Steam engineering	621.19
Church	254.4	Punched card accounting	657
Libraries	021.7	Punctuation	
Military	355.9	Elementary education	372.6
University and college	378.1	English language	421.9
Secondary education	379.17	Other languages	—19
Service		Punic	
Administration	351.1—5	Language	492.6
Bureaus	351.1	Literature	892.6
Control	351.9	Punishment	
Employment	351.5	Criminal law	343.2
Job analysis and clas-		Eternal	237
sification	351.2	Military	355.13
Organizations	351.1	Person	365.6
Personnel	351.3	School	371.54
Social psychology	301.158	Science	365
Speaking	808.5	Social control	301.152
Elementary educa-		Puno	985.3
tion	372.6	Puppetry	791.5
Utilities Economics	338.39	Puppets	791.5
Works		Purchasing	658.7
Department	352.5	Cooperatives	334.5
Engineering	628	Purgatory	236
Worship	264	Purification	
Publication Writing for	808.06	Petroleum refining	665.53
Publications Library	025.12	Puritanism	285.9
Publicity	659.111	Purple Theory	124
Labor unions	331.893	Purslane	583.15
Library	021.7	Pursuit of happiness	323.4
Publishers' catalogs	015	Putting out system	
Publishing	655.5	Production	338.6
Houses History	655.4	Putumayo	986.16
Music	781.98	Puzzles	793.7
Puddings Home cookery	641.86	Pycnogonida	595.4
Pudding	669.141	Pyralin	668.44
Puebla	972.4	Pyrenees Mts.	946
Puerperium	618	Pyritic Mining	622.36
Puerto Rico	972.95	Pyrrho Philosophy	186
Puget Sound	979.77	Pythagoras Philosophy	182
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Pulmonata	594.3	Qataban language	492.9
Pulp manufacture	676.1	Quackery	
Pumice Mining	622.36	Public health control	614.2
Pumps		Quadrille	793.34
Engineering	621.6	Quails Husbandry	636.59

Quakers	289.6	Race	
Qualitative analysis	544	Horses Husbandry	636.1
Quality control		Relations and Christi-	
Factory organization	568.56	anity	261.8
Statistics	311.2	Tracks Architecture	725.8
Theory	519.93	Races and state	323.1
Quantics	512.8	Racial	
Quantitative analysis	545	Conflict	301.46
Quantity cookery	641.57	Minorities	301.45
Quantum mechanics	530.1	Education	371.97
Quarantine		Psychology	136.4
Agriculture	632.9	Racing	
Public health	614.4	Automobiles	796.72
Quarrying		Dogs	798.8
Building stone	622.35	Horses	798.4
Mining operations	622.2	Yachts	623.822
Quartermaster Corps	355.8	Radar	621.381
Quartz Mineralogy	549.6	Electronic navigation	623.893
Quaternions		Radiant heating	697.2
Algebraic theory	512.85	Radiation	
Analytic geometry	516.8	Chemistry	541.23
Quebec	971.4	Heat transmission	536.2
City	971.4471	Infra-red	535
Queen Anne furniture	749.22	Light	535
Queensland	994.3	Radio waves	621.3841
Querétaro	972.4	Solar	523.72
Question and answer		Therapeutic use	615.8
books	030	Ultra-violet	535
Questioning		Radiators	697.1
Teaching technique	371.3	Radio	
Quinces Culture	634.1	Advertising	659.14
Quincy method		And	
Education	371.4	Adult education	374.26
Quinine Culture	633.88	Libraries	021.4
Quintana Roo	972.6	Apparatus and equip-	
Quiz books	030	ment	621.3843
Quizzes	793.7	Applications	621.3849
Quota system	325.1	Broadcasting	621.3849
Quotations Collections	808.88	Circuits	621.384
		Communication systems	621.3845
RDX Manufacture	662.27	Educational programs	374.26
ROTC	355.37	Engineering	621.384
Rabbi	296.6	Military engineering	623.73
Rabbits		News writing	070.41
Hair fiber textiles	677.3	Principles	624.3841
Husbandry	636.9	Programs Religious	254.3
Zoology	599.32	Script writing	808.22

Radio—(Continued)		Railroad—(Continued)	
Show production	792.94	Roadbed	625.12
Speaking	808.5	Surveying	625.11
Stations	384.5	Tracks	625.14
Teaching aid	371.333	Accessories	625.16
Waves	621.3841	Railroads	
Radioactive		Auxiliary structures	625.13
Elements		Construction	625.1
Inorganic chemistry	546.6	Design	625.1
Metallurgy	669.293	History	385.1
Methods		Maintenance	625.1
Mining prospecting	622.1	Model	625.19
Tracer techniques		Transportation	385.1
Quantitative analysis	545.82	Railroading	625.27
Radioactivity	539.752	Railway	
Measurement	539.77	Brotherhoods	331.881
Radiocommunication	384.5	Express	385.2
Radiofacsimile	621.384	Terminals Architecture	725.3
Radiographic testing	620.112	Railways	
Radiography	778.3	City planning	711.7
Radiolana	563.1	Rain	551.573
Radios Design	745.2	Insurance	368.1
Radiotelegaph	621.384	Raisin grapes Culture	634.8
Radiotelephone	621.384	Raleigh, Sir Walter	
Radiotherapy	615.8	Voyages	973.17
Radishes		Raman effect	
Botany	583.12	Molecular physics	539.1
Culture	635.1	Ramanuja Philosophy	181.48
Radium		Ran über textiles	677.1
Economic geology	553.4	Ramps	
Inorganic chemistry	546.4	Architectural design	729.3
Metallurgy	669.293	Rams Hydraulic	621.2
Therapeutic use	615.8	Ranch houses	
Radon		Architecture	728.6
Inorganic chemistry	546.29	Ranches Management	636.081
Raffia handicraft	745.58	Range	
Rag pulp	676.13	Finders Artillery	623.46
Ragweeds	583.55	Findings Gunnery	623.5
Raiding Naval warfare	359.95	Rangers Infantry	356.1
Railroad		Ranges Management	636.081
Companies	385.2	Ranier	
Earthwork	625.12	Mt.	979.77
Engineering	625.1	National Park	979.77
Finance	385.13	Rank	
Grounds Landscaping	742.7	Ranunculaceae	583.11
Rates	385.132	Ranunculales	583.11
Retirement Act of 1937	368.43	Rapa Is.	996.22

Raphael Painting	759.5	Reading (<i>Continued</i>)	
Rapunui language	499.4	Clubs	021.4
Rare		Courses	028.3
Books	090	Elementary education	372.4
Earths		Guidance	028
Inorganic chemistry	540.6	Interests and habits	028.9
Metallurgy	669.292	Lists	028.3
Gases		Children's	028.5
Inorganic chemistry	546.29	Remedial	
Metals Metallurgy	669.29	English language	428.4
Printing	094	Other languages	—84
Rarified air engines	621.42	Readings	
Raspberry		Antiphonal	264
Botany	583.3	Collections	808.8
Culture	634.7	Consolatory	242.4
Rates		Responsive	264
Insurance	368.011	Scripture	264
Of exchange	332.45	Reagents Industrial	661
Rating tests	137.8	Real	
Rational psychology	150.1	Estate	
Rationalistic age		Banking	332.32
Church history	270.8	Business	333.33
Rationalists		Credit	332.32
Apologetics against	239.7	Management	333.33
Rats		Property Private law	347.2
Husbandry	636.9	Realism	
Zoology	599.32	Sculpture	735.22
Rayon textiles	677.46	vs. nominalism	270.5
Rays		Realization Accounting	657.3
Nuclear physics	539.72	Realty Private law	347.2
Zoology	597.3	Real variables	
Reactors		Theory of functions	517.1
Generation of electricity	621.314	Reaming machinery	621.95
Nuclear	539.75	Reasoning Deductive	162
Reader guidance	028.8	Receivers	
Readers		Radio	621.3843
Adult education		Telegraph	621.382
English language	428.6	Telephone	621.385
Other languages	—86	Television	621.3883
Advisory service	028.3	Receptions	642.4
Elementary		Recessions Business	338.54
English language	428.6	Recipes	641.5
Other languages	—86	Reciprocity	337.9
For foreigners		Recitals	780.73
English language	428.64	Recitations	
Reading		Collections	808.8
Art of oral	808.54	Teaching technique	371.3

Reclaimed		Reduction	
Paper pulp	676.14	Chemical engineering	660.28
Rubber	678.29	Organic chemistry	547.013
Reclamation engineering	627.5	Redwood	585.2
Reconnaissance		Reefs Coral	551.42
Air warfare	358.45	Reference	
Surveying	526.31	Books Use	028.7
Railroad engineering	625.11	Libraries	025.5
Reconstruction		Referendum	328
Finance Corporation	332.3	Refineries Petroleum	665.53
Period U. S.	973.8	Refinery gas	665.77
Recorder		Reflection	
Musical instruments	788.5	Geometrical optics	535.3
Recording		Reflex cameras	771.3
Devices Radio	621.3843	Reflexes Psychology	158.42
Machines	651.26	Reforestation	634.956
Recordings		Reform movements	301.153
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Storms Meteorology	551.55	Strontium	
Story telling		Inorganic chemistry	546.4
Library	027.62	Mining	622.36
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Stout	663.4	Clay products	666.73
Stoves	697.2	Engineering	624
Stowage	387.51	Geology	551.8
Straightening machinery	621.98	Steel construction	693.7
Strategy	355.43	Structure	
Stratification		Of solids	539.2
Social		Theory	
Status	301.44	Structural engineering	624.17
Process	301.23	Structures	
Stratigraphic paleontology	560.17	Architecture	720
Stratigraphy	551.7	Landscape architecture	717
Straw pulp manufacture	676.14	Prehistoric	571.9
Strawberry		Stucco	693.6
Botany	583.3	Student	
Culture	634.7	Advisers	371.42
Stream pollution	628.5	Aid	
Street		Schools	371.22
Cleaning	628.4	Universities and col-	
Department	352.7	leges	378.36
Lighting systems	621.32	Attitudes	371.81
Patterns City planning	711.41	Behavior	371.81
Railroads		Counseling	371.422
Engineering	625.1	Ethics	371.81
Transportation	385.1	Exchange	371.39
Streets		Government	371.59
City planning	711.7	Housing	371.87
Highway engineering	625.7	Life	371.8
Strength tests		Mortality	371.29
Engineering materials	620.112	Organizations	371.83
Strepsiptera	595.74	Personnel work	371.422
		Promotion	371.28

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Retardation	371.28	Elementary education	372.7
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Study		Color photography	778.6
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Methods	371.3	Planning	711.58
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Stuttering		Subversive activities	323.2
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Costume	391	Sucre	987.5
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Submachine guns	623.44	In various countries	324.4—9
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Diving	387.55	Cane	
Medicine	616.98	Botany	584.8
Mines Law of war	341.36	Culture	633.6
Photography	778.7	Industries Economics	338.17
Topography	551.46	Manufacture	664.1
Warfare	359.92	Organic chemistry	547.92
Subnormal		Suggestion systems	658.315
Children		Suicide	
Education	371.9	Customs	394
Psychology	136.76	Social problem	301.46
Subscription		Suites Music	785.8
Libraries	027.3	Sulfate	
Publishing	655.5	Of	
Subsidies		Ammonia Fertilizers	631.84
Wage economics	331.22	Potash Fertilizers	631.83
Subsistence Military	355.8	Process Wood pulp	676.12
Substandard		Sulfates	
Risk life insurance	368.36	Industrial chemistry	661.2
Workers	331.3—6	Mineralogy	549.7
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Wood pulp	676.12	And demand—(Continued)	
Sulfur		Labor economics	331.11
Dioxide		Production	338.522
Industrial chemistry	661.9	Corps Navy	359.8
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Inorganic chemistry	546.2	Support materials	
Mineralogy	549.2	Photography	771.5
Mining	622.36	Suprarenals	616.4
Organic compounds	547.8	Supreme Court	
Sulfuric acid		Reports U. S.	345.4
Industrial chemistry	661.2	U. S. treatises	347.972
Sulpicians	271.7	Surface	
Suman language	497.8	Active agents	668.1
Sumatra	992.1	Features of earth	551.4
Sumeria	935	Phenomena	
Summability methods		Electrochemistry	541.375
Calculus	517.2	Prints	763
Summer		Tension of solutions	541.374
Houses Architecture	728.7	Treatment of metals	671.7
School	371.23	Surfaces Geometry	516.5
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Sunda	992	Operative	617.9
Sunday		Oral	617.6
Observance	263	Plastic	617.95
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Dielectrics	537.22	Surrealism	759.06
Superheaters		Surveying	526.9
Steam engineering	621.19	Boundary	526.92
Superior Lake	971.3	Geodetic	526.3
Superphosphates		Hydrographic	526.99
Fertilizers	631.85	Mine	622.1
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Superstitions	398.3	Railroad	625.11
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Swedish		Architecture	726
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ture	664.15	Syntax	
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Swing budgets	624.8	Rubber products	678.3
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Teaching	371	Engineering	621.385
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Apparatus	621.3883	Animal	591.2
Broadcasting	621.3889	Human	611.012
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Engineering	621.388	Terbium	
Script writing	808.22	Inorganic chemistry	546.6
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Systems	621.388	struction	693.84
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Meteorology	551.52	Amacuro	987.6
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Tests		Acquisition	320.1
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Handbooks	792.02	Expansion tests	
Music	782.8	Engineering materials	620.112
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Theaters	792	Thermochemistry	541.36
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Quantitative analysis	545.5	Torpedos	623.451
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